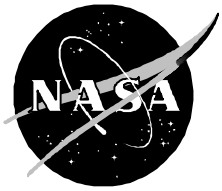
VERSION DESCRIPTION DOCUMENT FOR THE NASA SUPPLY MANAGEMENT SYSTEM (NSMS)

Release 5.2.1

PrISMS Contract

February 1998



National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

VERSION DESCRIPTION DOCUMENT
FOR THE
NASA SUPPLY MANAGEMENT SYSTEM (NSMS)
RELEASE 5.2.1

Approved by

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Project Manager

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

February 1998

1. INTRODUCTION

1.1 Identification of the Release

This software release is identified as the National Aeronautics and Space Administration (NASA) Supply Management System (NSMS), Version Description Document (VDD), Release 5.2.1.

The release has an effective date of February 12, 1998 and is scheduled for implementation by March 29, 1998. Support of the previous release expires on the implementation date of release 5.2.1.

1.2 Purpose of the Release

This release includes system modifications as specified in Sections 2.0 and 3.0 of this document.

1.3 Scope of the Release

This release provides the functional and technical user of NSMS with changes to the contents and status of the application NSMS, Version 5.2.1, including the following:

- Validation procedures to ensure the reliability of those changes.
- References to other documents affected by this release.
- Detail software installation procedures.

1.4 Contact Points

Questions regarding the functional and/or technical aspects, as well as the installation of this release, should be directed to:

Pam Leak at telephone number (205)544-1388 or
by e-mail Pam.Leak@msfc.nasa.gov
Steve Rowell at telephone number (205)544-1452 or
by e-mail Steve.Rowell@msfc.nasa.gov
Mark Stevens at telephone number (205)544-1458 or
by e-mail Mark.Stevens@msfc.nasa.gov
The fax number is (205)544-1836.

2. FUNCTIONAL INFORMATION

2.1 FUNCTIONAL CHANGES

This release incorporates Requirement Changes (RC) approved by the Configuration Control Board (CCB).

This release incorporates Discrepancy Report (DR) 892, 902, 911 and 912.

This release includes the necessary modules to incorporate RC 39 and RC 903 approved by the Configuration Control Board (CCB). RC 39 allows for the inventory of traceable assets. RC 903 allows for the year 2000 and beyond to be accepted as document numbers for the delivery and receipt of data used in the scanners.

1. ENHANCEMENT - (Inventory Counts) 1620# - 39

NSMS does not provide an automated solution to inventory traceable assets.

ACTION - Change the Inventory Counts process to provide automated inventory processing of traceable assets.

2. PROBLEM - (Fedmil Status Update) 1620# - 892

An invalid Julian date day (YDDD of 0000) is being received from Fedmil for updating the delivery date.

Action - Change the process to return an error when the Julian Date is invalid.

3. PROBLEM - (Inventory Counts) 1620# - 902

When processing an inventory by FFG (federal supply group) the map allows entry of three (3) positions rather than two (2).

ACTION - Correct process to allow only two positions to be entered when processing an inventory by FFG.

4. ENHANCEMENT - (Scanner (Receipt and Delivery)) 1620# - 903

The century is hard coded in the scanners used for receiving and delivery.

ACTION - Change the processes to use the current century when downloading the data from the scanners.

5. PROBLEM - (External Interface with a local engineering/design parts ordering system) 1620# - 911

A transaction is not being created nor is a record being written to the work file when an error is returned from the Pre-ET User Exit.

ACTION - Correct process to create a record on the work file record if a non blank severity code is returned from the user exit.

6. PROBLEM - (Adjust Due Out) 1620# - 912

A Natural error 1316 (index not with array structure) occurs at line 2740 of NSPTAADO when attempting to process back to back adjustments.

ACTION - Correct process to allow back to back adjustments.

2.2 FUNCTIONAL INTERFACES

The release has no functional impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

2.3 CRITICAL ISSUES

No critical issues are associated with this release.

2.4 AFFECTED DOCUMENTS

The only document affected by this release is the NSMS-UOG-10, NSMS User and Operations Guide (UOG) dated June, 1997. The replacement UOG is distributed with this VDD and is effective only upon installation and operational use of this release.

2.5 APPLICATION SYSTEM ADMINISTRATION

Enhancement 39:

1. Change the task id NSPRICWR to add a new Report ID to the Warehouse Data Collection Report using the Batch Task Maintenance (BATCHTSK) in the NS domain with:

   Report ID: NSRBWHS1
   Name: Warehouse Data Collection Rpt2
   File-No: 2

2. Change the batch job for the Warehouse Data Collection Report (WRHSERPT) for the NS domain using the Batch Job Maintenance (BATCHJOB) to include the number of copies and output for the new report (option 4 - Output Type/Option). Note: record any parameter information prior to changing the job, for example: number of copies and output destination for the existing report.

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

This NSMS release has no technical impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

3.2 DATA DICTIONARY CHANGES

This release will include the new enhancements for version 5.2.1. Details for changes in this release can be found under Appendix D, paragraph 3.4.4 Installation Procedures.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NSMS Software Release 5.2.1 for detailed software installation procedures.

3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of the release.

4. KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

APPENDIX A

LIST OF ACRONYMS

ADP	Automated Data Processing
CCB	Configuration Control Board
CCR	Change Control Request
DR	Discrepancy Report
FFG	Federal Supply Group
JCL	Job Control Language
NACC	NASA Automated Data Processing (ADP) Consolidation Center
NASA	National Aeronautics and Space Administration
NSMS	NASA Supply Management System
NSN	National Stock Number
PF	Program Function
RC	Requirements Change
RFG	Random Federal Supply Group
UOG	User and Operations Guide
VDD	Version Description Document

APPENDIX B

GLOSSARY

This document has no terms to be defined.

APPENDIX C

FUNCTIONAL CHANGE VALIDATION PROCEDURES

1. **ENHANCEMENT - (Inventory of Traceable Assets) 1620# - 39**

NSMS does not provide an automated solution to inventory traceable assets.

ACTION - Change the Inventory Counts process to provide automated inventory processing of traceable assets.

SPECIAL NOTES:
The Site Parameter (SITEPARM) process may be used to change the update bin indicator to 'N' for centers not updating at the bin level. Centers updating at the bin level may use the SITEPARM process to set the update bin indicator to 'Y'. A new screen was added to the Process Warehouse Counts (Option 5) of the Inventory Counts Process to handle traceable assets. Program Function (PF) key 2 will retrieve the NEXT traceable asset data. PF key 9 will display the traceable asset data.

VALIDATION - Centers not updating at the bin level

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a Non-Traceable (TRACE-CODE of ' ') record. This NSN will be referred to as NSN1.
  Add a Serial Traceable (TRACE-CODE of 'S') record. This NSN will be referred to as NSN2.
  Add a Lot/Batch Traceable (TRACE-CODE of 'L') record. This NSN will be referred to as NSN3.
- Using the Add, Change, or Delete Asset (ADCHGAST) process, add a program stock asset with an est. unit price of ten (10) for NSN1. Add Bin-Ids of 'BIN1' and 'BIN2'. This asset will be referred to as Asset1.
  Add a program stock asset with an EST. UNIT PRICE of ten (10) for NSN2. Add Bin-Ids of 'BIN3' and 'BIN4'. This asset will be referred to as Asset2.
  Add a program stock asset with an EST. UNIT PRICE of ten (10) for NSN3. Add Bin-Ids of 'BIN5' and 'BIN6'. This asset will be referred to as Asset3.
- Using the Inventory Adjustment (INVADJST) process, increase Asset1 by a quantity of sixty (60) and process to completion.
  Increase Asset2 by a quantity of twenty (20), enter trace keys of 'SERIAL1' and 'SERIAL2' giving each trace key a quantity of ten (10) and process to completion.

Increase Asset3 by a quantity of thirty (30), enter trace keys of ‘LOT1’ and ‘LOT2’ giving each trace key a quantity of fifteen (15) and process to completion.

- Using the Process Inventory Counts (INVCTSMM) process, build an inventory control record. Enter option 1, unique Run Id and 'FSA' as the Inventory type. Enter the values for Asset1, Asset2 and Asset3. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Bin Location Report (option 2) for the above Run Id. After completion of the report, verify the assets (non traceable and traceable) appear on the report.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Build the Inventory Lot (option 3) for the above Run Id. Process to completion.
- Using the Create Issue Directive (ISSUEPRE) process, create a suspended pre-post issue (ISPRS) transaction for one of the traceable assets and one for a non-traceable asset.
- Using the Post Post Issue (ISSUEPP) process, create a suspended post post issue (ISPPS) transaction for one of the traceable assets and one for a non-traceable asset.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Warehouse Data Collection Report (option 4) for the above Run Id. Process to completion. Review of the Report should reflect: A first part showing an asset key / bin-id listing and a second part showing a page for each unique asset key / bin-id along with related trace keys.
- Using the Process Inventory Counts (INVCTSMM) process, execute the Process Warehouse Counts (option 5) for the Run Id. Traceable assets will be highlighted. To view traceable assets, place the cursor on one of the traceable assets and press <PF9>. Press <PF2> to return to the Process Warehouse Counts main screen. To verify a new trace record may be added, enter a count for one of the trace keys and press <enter>. Enter ‘X’ in response to the pop-up window. Enter a new trace key with a quantity and quantities for the other trace keys to equal the count entered on the main count screen. Press <PF2> to return to the main count screen. Enter quantity (count) for each of the assets appearing on the main count screen. Increase some of asset quantity, decrease some of the asset quantity and decrease some of the asset quantity to zero. For one of the traceable assets add more than fifty one (51) new trace keys. Balance one of the assets with the suspended issue(s). Release the suspended issue(s) when prompted to do so. Process to completion. It may be helpful to do a screen print of the counts entered.

- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Warehouse Data Collection Report (option 4) for the above Run Id. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the Process Warehouse Counts (option 5) for the Run Id. Enter the same count as count 1 for one of the assets. Enter counts for the remaining assets and process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Warehouse Data Collection Report (option 4) for the above Run Id. Process to completion. If two counts are matched for an asset, the asset will not appear on the next count but will be adjusted in the final adjustment process.
- Using the Scan Inventory Counts (SCANINV) process, locate one of the traceable assets. Enter the record number of the asset for VIEW RECORD NO and press <enter>. Press <PF9> to view and verify the trace data.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Perform the Dummy Adjustment (option 6). Process to completion. Verify the report reflects all adjustments.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Perform the Final Adjustment (option 7). Process to completion. Verify the report reflects all adjustments.
- Using the Monitor Transaction (MONTRANS) process, verify the suspended issues were released. Verify the Inventory Adjustment Physical (ADJC) transactions were created for all assets with variances (+, -). Verify the traceable asset adjustments reflect the trace key and quantity variances. Verify additional transactions are created for traceable assets with more than 50 variances. The ADJC transactions should have the same document number (year, month, day and sequence) but will have an incremented suffix.
- Using the Scan Asset (SCANASET) process, verify the quantity and trace data of the inventoried assets reflect the adjustments.
- Repeat this test for all inventory types.

Inventory Control Report - Centers not updating at the bin level

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add a Non-Traceable (TRACE-CODE of ‘ ‘) record. This NSN will be referred to as NSN1.
  Add a Serial Traceable (TRACE-CODE of 'S') record. This NSN will be referred to as NSN2.
  Add a Lot/Batch Traceable (TRACE-CODE of 'L') record. This NSN will be referred to as NSN3.

- Using the Add, Change, or Delete Asset (ADCHGAST) process, add a program stock asset with an EST. UNIT PRICE of ten (10) for NSN1. Add Bin-Ids of 'BIN1' and 'BIN2'. This asset will be referred to as Asset1.
  Add a program stock asset with an EST. UNIT PRICE of ten (10) for NSN2 and add Bin-Ids of 'BIN3' and 'BIN4'. This asset will be referred to as Asset2.
  Add a program stock asset with an EST. UNIT PRICE of ten (10) for NSN3 and add Bin-Ids of 'BIN5' and 'BIN6'. This asset will be referred to as Asset3.
- Using the Inventory Adjustment (INVADJST) process, increase Asset1 by a quantity of sixty (60) and process to completion.
  Increase Asset2 by a quantity of twenty (20), enter trace keys of 'SERIAL1' and 'SERIAL2' giving each trace key a quantity of ten (10) and process to completion.
  Increase Asset3 by a quantity of thirty (30), enter trace keys of 'LOT1' and 'LOT2' giving each trace key a quantity of fifteen (15) and process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, select the Build Inventory Control Record option one (1) and enter a unique Run-Id. Enter 'FSA' (Single Asset) as the Inventory-Type. Enter the values for Asset1, Asset2 and Asset3. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process and select the Build Inventory Lot (BUILDLOT) option three (3). Enter the Run-Id built above and process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, select the Produce Warehouse Data Collection Report (WRHSERPT) option four (4). Enter the Run-Id built above and process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, select the Process Warehouse Counts option five (5) and enter the Run-Id. A screen will appear with Asset1, Asset2 and Asset3 in sequence by BIN-ID. Under 'CNT-1' enter a quantity of thirty one (31) for 'BIN1', quantity of twenty eight for 'BIN2', quantity of ten (10) for 'BIN3', quantity of eleven (11) for 'BIN4', quantity of fourteen (14) for 'BIN5' and quantity of seventeen (17) for 'BIN6'. A second screen will appear for entry of quantity for traceable assets. Enter a quantity of ten (10) for 'SERIAL1' and a quantity of zero (0) for 'SERIAL2' for 'BIN3'. Press <enter> to confirm updates. Press <PF2> to present the next traceable asset data. Enter a quantity of one (1) for 'SERIAL1' and a quantity of ten for 'SERIAL2' for 'BIN4'. Press <enter> to confirm updates. Press <PF2> to present the next traceable asset data. Enter a quantity of fourteen (14) for 'LOT1' and a quantity of zero (0) for 'LOT2' for 'BIN5'. Press <enter> to confirm updates. Press <PF2> to present the next traceable asset data. Enter a quantity of fifteen (15) for 'LOT1' and a quantity of one (1) for 'LOT2' for 'BIN6'. Enter a new trace record with 'LOTADDED' as the trace key and a quantity of one (1) Press <enter> to confirm updates. Press

<PF2> to return to the main count screen. Press <PF8> to return to the Inventory Counts menu.

- Using the Process Inventory Counts process, select the Produce Inventory Control Report (ICNTLRPT) option 8. Enter the Run-Id built above, submit batch job and process to completion. Review the report. 'NO ASSETS IN INVENTORY WITH PRICE-AVERAGE GE $500.00' will appear for the section of the report greater than or equal five hundred (500) dollars. Review of Asset1 should show a quantity of sixty (60), TOTALS of fifty-nine(59), a Quantity Adjust of negative one (-1) and Trace Discrepancy (TD) of blank. Review of Asset2 should show a quantity of twenty (20), TOTALS of twenty-one (21), a Quantity Adjust of one (1) and Trace Discrepancy (TD) of 'Y'. Review of Asset3 should show a quantity of thirty (30), TOTALS of thirty-one (31), a Quantity Adjust of one (1) and Trace Discrepancy (TD) of 'Y'. Review of the Report Results (summary) should reflect: No Adjustment with a value of one hundred (100) dollars, percent of nine point zero one (9.01), number of one (1) and percent of sixteen point sixty-seven (16.67). Review of the Report Results (summary) should reflect: Variance Adjustment with a value of six hundred (600) dollars, percent of fifty-four point zero five (54.05), number of one (1) and percent of sixteen point sixty-seven (16.67). Review of the Report Results (summary) should reflect: Error Adjustment with a value of four hundred and ten (410) dollars, percent of thirty-six point nine four (36.94), number of four (4) and percent of sixty-six point six seven (66.67). Review of the Report Results (summary) should reflect: Total value of one thousand one hundred and ten (1.110) dollars and total number of six (6).
- Repeat this test for all inventory types.

VALIDATION - Centers that update at the bin level

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add three Non-Traceable (TRACE-CODE of ' ') records. These NSNS will be referred to as NSN1, NSN2 and NSN3.
  Add a Serial Traceable (TRACE-CODE of 'S') record. This NSN will be referred to as NSN4.
  Add a Lot/Batch Traceable (TRACE-CODE of 'L') record. This NSN will be referred to as NSN5.
- Using the Add, Change, or Delete Asset (ADCHGAST) process, add two store stock, Warehouse (substore indicator of 'W') assets, each with an est. unit price of ten (10) for NSN1 and NSN2. These assets will be referred to as Asset1 and Asset2.
  Add a program stock asset with an est. unit price of ten (10) for NSN3 with Bin-Ids of 'BIN5' and 'BIN6'. This asset will be referred to as Asset3.

Add a program stock asset with an est. unit price of ten (10) for NSN4. This asset will be referred to as Asset4.
Add a program stock asset with an est. unit price of ten (10) for NSN5. This asset will be referred to as Asset5.

- Using the Inventory Adjustment (INVADJST) process, increase Asset1 by a quantity of ten (10) and process to completion.
- Using the Bin Quantity Transfer (BINTRNSF) process, transfer quantity for Asset1 so ‘BIN1’ has five (5), ‘BIN2’ has four (4) and ‘WHSE*HOLDIN’ has one (1). Press PF4 to complete processing.
- Using the Inventory Adjustment process, increase Asset2 by a quantity of fifteen (15) and process to completion.
- Using the Bin Quantity Transfer (BINTRNSF) process, transfer quantity for Asset2 so ‘BIN3’ has seven (7), ‘BIN4’ has seven (7) and ‘WHSE*HOLDIN’ has one (1). Press PF4 to complete processing.
- Using the Inventory Adjustment (INVADJST) process, increase Asset3 by a quantity of twenty (20) and process to completion.
- Using the Inventory Adjustment (INVADJST) process, increase Asset4 by a quantity of thirty (30). Enter bin of 'BIN7', org. of 'TX01', project of 'A03' and trace key of ‘SERIAL1' with a quantity of fifteen (15). Enter bin of 'BIN8', org. of 'TX02', project of 'A04' and trace key of 'SERIAL2' with a quantity of fifteen(15). Process to completion.
- Using the Inventory Adjustment (INVADJST) process, increase Asset5 by a quantity of forty (40). Enter bin of 'BIN9', org. of 'TX05', project of 'A01', trace key of 'LOT-BATCH1' with a quantity of twenty (20). Enter bin of 'BIN10', org of 'TX03', project of 'A01', trace key of 'LOT-BATCH2' with a quantity of twenty (20). Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, select the Build Inventory Control Record option one (1) and enter a unique Run-Id. Enter 'FSA' (For Single Asset) as the Inventory-Type. Enter the values of Asset1, Asset2, Asset3, Asset4 and Asset5. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Bin Location Report (option 2) for the above Run Id. After completion of the report, verify the assets (non traceable and traceable) appear on the report.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Build the Inventory Lot (option 3) for the above Run Id. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, enter option four (4) and the Run Id to Produce the Warehouse Data Collection Report. Process to completion. Review of the Report should reflect: A first part showing an asset key / bin-id listing and a second part showing a page for

each unique asset key / bin-id along with related traceable information (Bin, Org., Project, Trace key and Quantity).

- Using the Process Inventory Counts (INVCTSMM) process, execute the Process Warehouse Counts (option 5) for the Run Id. Traceable assets will be highlighted. To view traceable assets, place the cursor on one of the traceable assets and press <PF9>. Press <PF2> to return to the Process Warehouse Counts main screen. To verify a trace record may be added, enter a count for one of the trace assets and press <enter>. Enter 'X' in response to the pop-up window. Enter a new trace key with a quantity and quantities for the other trace keys to equal the count entered on the main count screen. Press <PF2> to return to the main count screen. Enter quantity (count) for each of the assets appearing on the main count screen. Increase some of asset quantity, decrease some of the asset quantity and decrease some of the asset quantity to zero. For one of the traceable assets add more than fifty one (51) new trace keys. Balance one of the assets with the suspended issue(s). Release the suspended issue(s) when prompted to do so. Process to completion. It may be helpful to do a screen print of the counts entered.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Warehouse Data Collection Report (option 4) for the above Run Id. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the Process Warehouse Counts (option 5) for the Run Id. Enter the same count as count 1 for one of the assets. Enter counts for the remaining assets and process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Produce the Warehouse Data Collection Report (option 4) for the above Run Id. Process to completion. If two counts are matched for an asset, the asset will not appear on the next count but will be adjusted in the final adjustment process.
- Using the Scan Inventory Counts (SCANINV) process, locate one of the traceable assets. Enter the record number of the asset for VIEW RECORD NO and press <enter>. Press <PF9> to view and verify the trace data.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Perform the Dummy Adjustment (option 6). Process to completion. Verify the report reflects all adjustments.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Perform the Final Adjustment (option 7). Process to completion. Verify the report reflects all adjustments.
- Using the Monitor Transaction (MONTRANS) process, verify the Inventory Adjustment Physical (ADJC) transactions were created for all assets with variances (+, -). Verify the traceable asset adjustments reflect the trace key

and quantity variances. Verify additional transactions are created for traceable assets with more than 50 variances. The ADJC transactions should have the same document number (year, month, day and sequence) but will have an incremented suffix.

- Using the Scan Asset (SCANASET) process, verify the quantity and trace data of the inventoried assets reflect the adjustments.
- Repeat this test for all inventory types.

Inventory Control Report - Centers that update at the bin level

- Using the Add Change or Delete Catalog Detail (CATADCHG) process, add three Non-Traceable (TRACE-CODE of ' ') records. These NSNS will be referred to as NSN1, NSN2 and NSN3.
  Add a Serial Traceable (TRACE-CODE of 'S') record. This NSN will be referred to as NSN4.
  Add a Lot/Batch Traceable (TRACE-CODE of 'L') record. This NSN will be referred to as NSN5.
- Using the Add, Change, or Delete Asset (ADCHGAST) process, add two store stock, Warehouse (substore indicator of 'W') assets, each with an est. unit price of ten (10) for NSN1 and NSN2. These assets will be referred to as Asset1 and Asset2.
  Add a program stock asset with an est. unit price of ten (10) for NSN3.
  Update Org. Project with Org. of 'TX12' and Project of 'A01'. Add Bin-Id of 'BIN5', Org. of 'TX12' and Project of 'A01'. Add Bin-Id of 'BIN6', Org. of 'TX12' and Project of 'A01'. This asset will be referred to as Asset3.
  Add a program stock asset with an est. unit price of ten (10) for NSN4. This asset will be referred to as Asset4.
  Add a program stock asset with an est. unit price of ten (10) for NSN5. This asset will be referred to as Asset5.
- Using the Inventory Adjustment (INVADJST) process, increase Asset1 by a quantity of ten (10) and process to completion.
- Using the Bin Quantity Transfer (BINTRNSF) process, transfer quantity for Asset1 so 'BIN1' has five (5), 'BIN2' has four (4) and 'WHSE*HOLDIN' has one (1). Press PF4 to complete processing.
- Using the Inventory Adjustment process, increase Asset2 by a quantity of fifteen (15) and process to completion.
- Using the Bin Quantity Transfer (BINTRNSF) process, transfer quantity for Asset2 so 'BIN3' has seven (7), 'BIN4' has seven (7) and 'WHSE*HOLDIN' has one (1). Press PF4 to complete processing.
- Using the Inventory Adjustment (INVADJST) process, increase Asset3 by a quantity of twenty (20). Enter bin of 'BIN5' with a quantity of ten (10). Enter bin of 'BIN6' with a quantity of ten (10) and process to completion.

- Using the Inventory Adjustment (INVADJST) process, increase Asset4 by a quantity of thirty (30). Enter bin of 'BIN7', org. of 'TX01', project of 'A03' and trace key of ‘SERIAL1' with a quantity of fifteen (15). Enter bin of 'BIN8', org. of 'TX02', project of 'A04' and trace key of 'SERIAL2' with a quantity of fifteen(15). Process to completion.
- Using the Inventory Adjustment (INVADJST) process, increase Asset5 by a quantity of forty (40). Enter bin of 'BIN9', org. of 'TX05', project of 'A01', trace key of 'LOT-BATCH1' with a quantity of twenty (20). Enter bin of 'BIN10', org of 'TX03', project of 'A01', trace key of 'LOT-BATCH2' with a quantity of twenty (20). Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, select the Build Inventory Control Record option one (1) and enter a unique Run-Id. Enter 'FSA' (For Single Asset) as the Inventory-Type. Enter the values of Asset1, Asset2, Asset3, Asset4 and Asset5. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the batch job to Build the Inventory Lot (option 3) for the above Run Id. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, enter option four (4) and the Run Id to Produce the Warehouse Data Collection Report. Process to completion.
- Using the Process Inventory Counts (INVCTSMM) process, execute the Process Warehouse Counts (option 5) for the Run Id. A screen will appear with Asset1, Asset2 and Asset3, Asset4 AND Asset5 in sequence by BIN-ID. Under 'CNT-1' enter a quantity of five (5) for ‘BIN1’, a quantity of four (4) for ‘BIN2’, a quantity of six(6) for ‘BIN3’, a quantity of six (6) for ‘BIN4’, a quantity of eleven (11) for ‘BIN5’, a quantity of twelve (12) for ‘BIN6’, a quantity of fourteen(14) for ‘BIN7’, a quantity of sixteen (16) for ‘BIN8’, a quantity of twenty one (21) for ‘BIN9’ and a quantity of nineteen (19) for ‘BIN10’. A second screen will appear for entry of quantity for traceable assets. Enter a quantity of nine (9) for 'LOT-BATCH2’ for ‘BIN10’. Enter a new trace record with 'LOT-ADDED' as the trace key, org. of ‘TX03’, project of ‘A01’ and a quantity of ten (10). Press <enter> to confirm updates. Press <PF2> to present the next traceable asset data.
  Enter a quantity of fourteen (14) for 'SERIAL1' for ‘BIN7’. Press <enter> to confirm updates. Press <PF2> to present the next traceable asset data.
  Enter a quantity of fifteen (15) for 'SERIAL2’ for ‘BIN8’. Enter a new trace record with ‘SERIAL-ADDED-AGAIN’ as the trace key, org. of ‘TX03’, project of ‘A05’ and a quantity of one (1). Press <enter> to confirm updates. Press <PF2> to present the next traceable asset data.
  Enter a quantity of nineteen (19) for 'LOT-BATCH2’ for ‘BIN9’. Enter a new trace record with ‘LOT-BATCH-ADDED2’ as the trace key, org. of ‘TX06’, project of ‘A02’ and a quantity of two (2). Press <enter> to confirm updates.

Press <PF2> to return to the main count screen. Press <PF8> to return to the Inventory Counts menu.

- Using the Process Inventory Counts process, select the Produce Inventory Control Report (ICNTLRPT) option 8. Enter the Run-Id built above, submit batch job and process to completion. Review the report. 'NO ASSETS IN INVENTORY WITH PRICE-AVERAGE GE $500.00' will appear for the section of the report greater than or equal five hundred (500) dollars.
  Review of Asset1 should show a quantity of ten (10), a quantity of five (5) for 'BIN1', a quantity of four (4) for 'BIN2', a quantity of one (1) for WHSE*HOLDIN. Count 1 should reflect a quantity of five (5) for 'BIN1', a quantity of four (4) for 'BIN2', a quantity of one (1) for WHSE*HOLDIN. TOTALS of ten (10), a Quantity Adjust of zero (0) and Trace Discrepancy (TD) of blank.
  Review of Asset2 should show a quantity of fifteen (15), a quantity of seven (7) for 'BIN3', a quantity of seven (7) for 'BIN4', a quantity of one (1) for WHSE*HOLDIN. Count 1 should reflect a quantity of six (6) for 'BIN3', a quantity of six (6) for 'BIN4', a quantity of one (1) for WHSE*HOLDIN. A quantity adjustment of negative one (-1) for 'BIN3' and a quantity adjustment of negative one (-1) for 'BIN4'. TOTALS of thirteen (13), a Quantity Adjust of negative two (-2) and Trace Discrepancy (TD) of blank.
  Review of Asset3 should show a quantity of twenty (20), a quantity of ten (10) for 'BIN5', a quantity of ten (10) for 'BIN6'. Count 1 should reflect a quantity of eleven (11) for 'BIN5', a quantity of twelve (12) for 'BIN6'. A quantity adjustment of one (1) for 'BIN5', a quantity adjustment of two (2) for 'BIN6', TOTALS of twenty-three (23), Quantity Adjust of three (3) and TD (Trace Discrepancy) of blank.
  Review of Asset4 should show a quantity of thirty (30), a quantity of fifteen (15) for 'BIN7', a quantity of fifteen (15) for 'BIN8'. Count 1 should reflect: a quantity of fourteen (14) for 'BIN7', a quantity of sixteen (16) for 'BIN8', A quantity adjustment of negative one (-1) for 'BIN7', a quantity adjustment of one (1) for 'BIN8'. TOTALS of thirty (30), Quantity Adjust of zero (0) and TD (Trace Discrepancy) of 'Y'.
  Review of Asset5 should show a quantity of forty (40), a quantity of twenty (20) for 'BIN9', a quantity of twenty (20) for 'BIN10'. Count 1 should reflect: a quantity of nineteen (19) for 'BIN10', a quantity of twenty-one (21) for 'BIN9'. A quantity adjustment of negative one (-1) for 'BIN10', a quantity adjustment of one (1) for 'BIN9'. TOTALS of forty (40), Quantity Adjust of zero (0) and TD (Trace Discrepancy) of 'Y'.
- Review of the Report Results (summary) should reflect: No Adjustment with a value of two hundred and fifty (250) dollars, percent of nineteen point fifty-three (19.53), number of two (2) and percent of twenty (20.00). Review of the Report Results (summary) should reflect: Variance Adjustment with a value of three hundred and fifty (350) dollars, percent of twenty-seven point thirty-

four (27.34), number of two (2) and percent of twenty (20.00). Review of the Report Results (summary) should reflect: Error Adjustment with a value of six hundred and eighty (680) dollars, percent of fifty-three point thirteen (53.13), number of six (6) and percent of sixty (60.00). Review of the Report Results (summary) should reflect: Total value of one thousand two hundred and eighty (1,280) dollars and total number of ten (10).

- Repeat this test for all inventory types.

2. PROBLEM - (Fedmil Status Update) 1620# - 892

An invalid Julian date day (YDDD of 0000) is being received from Fedmil for updating the delivery date.

Action - Change the process to return an error when the Julian Date is invalid.

VALIDATION

- Using the Fed/Mil order demand item (FEDEMAND) process, create a due in direct federal (DIDF) transaction for a domestic shipment (A0A). Note the document number of the due in.
- Using the Fed/mil requisitions and return (FEDREQUS) process, submit the batch job.
- Using the status update (STATUPDT) process, enter the document identifier and document number from the previous step. Update the advice stat field (card column 65 - 66) to 'BA' and the estimated shipping date of 0000 in the status data field (card column 70 - 73) in the following format (YDDD). Create another update status for the document using 0001 as the estimated shipping date.
- Using the Monitor Transaction (MONTRANS) process, verify the delivery date is the Gregorian equivalent of the Julian date entered for the estimated shipping date.
- Using the dataset MSIRM.NSMSDD.STATS.FEDMIL change the NSN (card column 8 - 20), Quantity (card column 25 - 29), Document Number (card column 36 - 43 (YDDDSSSS where SSSS is the four digit sequence number of the document number), and the Estimated shipping date (card column 70 - 73) from the DIDF transaction in the previous step.
- Using the Fed/mil status update (FDSTATUP) process, submit the batch job.
- Using the Monitor Transaction (MONTRANS) process, verify the delivery date of the DIDF transaction. If no transaction was created, look at the report created from the batch job which contains the errors that occurred.
- Using the catalog scan (CATSCAN) process, select a shelf life item.
- Using the asset scan (SCANASET) process, select the asset for the NSN chosen above.

- Using the shelf life maintenance (SHLFLIFE) process, enter an NSN, stock status code, and a stock ownership from the previous step. Entering an expiration date of 19990229, a message should be returned for an invalid date. Enter an expiration date of 20000229 and process to completion.
- Using the receipt transaction response time (RCRSPTRK) process, entering a start date of 19970229, a message should be returned for an invalid start date. Enter a start date of 19970101. Enter an end date of 19990229, a message should be returned for an invalid end date. Enter an end date of 20000229 and process to completion.
- Using the issue transaction response time (ISRSPTRK) process, entering a start date of 19970229, a message should be returned for an invalid start date. Enter a start date of 19970101. Enter an end date of 19990229, a message should be returned for an invalid end date. Enter an end date of 20000229 and process to completion.
- Using the semiannual personal property 1324 (NASA1324) process, entering a start date of 19970229, a message should be returned for an invalid start date. Enter a start date of 19970101. Enter an end date of 19990229, a message should be returned for an invalid end date. Enter an end date of 20000229 and process to completion.

3. PROBLEM - (PROCESS INVENTORY COUNTS) 1620# - 902

When processing an inventory by Federal Supply Group (FFG), the map allows entry of three (3) positions rather than two (2).

ACTION - Correct the map to allow entry of only two (2) positions when processing an inventory by FFG or Random interval by Federal Supply Group (RFG).

VALIDATION

- Using the Asset Scan (SCANASET) process, select an active asset with quantity on hand, date inventory of zero and has a bin. Make sure the asset is not in an existing inventory.
- Using the Process Inventory Counts (INVCTSMM) process, build an inventory control record (option 1 with run-id, and the inventory type of FFG). Enter the federal supply group of the asset chosen ensuring that only two positions may be entered.

4. ENHANCEMENT - (Scanner (Receipt and Delivery)) 1620# - 903

The century is hard coded in the scanners used for receiving and delivery.

ACTION - Change the processes to use the current century when downloading the data from the scanners.

VALIDATION - These processes were tested at Marshall Space Flight Center (MSFC). MSFC is the only center using the scanners and therefore no validation test is included.

5. Problem - (Flight Hardware) 1620# - 911

When an error is returned from the Pre-ET user exit a record is not being written to the error file.

ACTION - Incorporate the necessary changes to create a record containing the error returned from the Pre-ET user exit.

Perform the following tasks only if your center will interface externally with a local engineering/design parts ordering system.

Special Notes: The Pre-Et user exit must return either a fatal or warning severity code for a Pre-Post Issue, Turn-in, Due In Stocked Commercial and Due In Direct Buy.

VALIDATION - ISSUES

- Using the Scan Asset (SCANASET) process, select either an active store stock, program stock, or standby stock asset with quantity on hand.
- Using the Catalog Scan (CATSCAN) process, note the part number and cage code for the asset selected.
- At the next prompt, edit the adhoc program (NSMS868C). Change line 450 to the asset chosen. Change lines 460 and 680 to the stock status code of the asset chosen. Change lines 470 and 690 to the stock ownership of the asset chosen. Change lines 480 and 700 for the Quantity to issue. Change line 660 to the part number of the catalog chosen. Change line 670 to the cage code that corresponds to the part number. Stow the adhoc program.
- Using the supplied Job Control Language (See Appendix E for the JCL) as an example, build a job stream and execute the batch job to create the issue (ISPR) transaction.
- Using the Monitor Transaction (MONTRANS), verify whether or not a pre-post issue (ISPR) transaction was created. If no transaction was created, look at the output file created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the adhoc program, stow the adhoc program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue, the NSN

does not match the part number supplied or an error was returned from the Pre-ET user exit. If a pre-post issue transaction was created then no error record should be created unless the quantity issued was not the quantity requested.

VALIDATION - RESERVATIONS (Program Stock)

- Using the Scan Asset (SCANASET) process, select an active program stock asset with quantity on hand.
- Using the Catalog Scan (CATSCAN) process, note the part number and cage code for the asset selected.
- At the next prompt, edit the adhoc program (NSMS868C). Change line 430 to 'R'. Change line 450 to the asset chosen. Change lines 460 and 680 to the stock status code of the asset chosen. Change lines 470 and 690 to the stock ownership of the asset chosen. Change lines 480 and 700 for the Quantity to reserve. Change line 660 to the part number of the catalog chosen. Change line 670 to the cage code that corresponds to the part number. Stow the adhoc program.
- Using the supplied Job Control Language (See Appendix E for the JCL) as an example, build a job stream and execute the batch job to create the reservation (RSPS) transaction.
- Using the Monitor Transaction (MONTRANS), verify whether or not a reservation (RSPS) transaction was created. If no transactions were created, look at the output file created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the adhoc program, stow the adhoc program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue, the NSN does not match the part number supplied or an error was returned from the Pre-ET user exit.

VALIDATION - RESERVATIONS (Store or Standby Stock)

- Using the Scan Asset (SCANASET) process, select an active store stock or standby stock asset with quantity on hand.
- Using the Catalog Scan (CATSCAN) process, note the part number and cage code for the asset selected.
- At the next prompt, edit the adhoc program (NSMS868C). Change line 450 to the asset chosen. Change lines 460 and 680 to the stock status code of the asset chosen. Change lines 470 and 690 to the stock ownership of the asset chosen. Change lines 480 and 700 for the Quantity to issue, turn in, and reserve. Change line 660 to the part number of the catalog chosen. Change line 670 to the cage code that corresponds to the part number. Change lines 600 and 820 to the turn in stock ownership. Stow the adhoc program.

- Using the supplied Job Control Language (See Appendix E for the JCL) as an example, build a job stream and execute the batch job to create the issue (ISPR) transaction, turn in (TINC) transaction and reservation (RSPS) transaction.
- Using the Monitor Transaction (MONTRANS), verify whether or not a pre-post issue (ISPR) transaction, turn in (TINC) transaction and reservation (RSPS) transaction were created. If no transactions were created, look at the output file created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the adhoc program, stow the adhoc program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue, the NSN does not match the part number supplied or an error was returned from the Pre-ET user exit.

Validation - Stocked Commercial Due In

- Using the Catalog Scan (CATSCAN) process, select a catalog record with a part number that does not exist on another catalog record. Note the part number and cage code.
- Using the Asset Scan (SCANASET) process, select a store stock asset for the catalog record chosen previously.
- At the next prompt, edit the adhoc program (NSMS868B). Change line 480 to the NSN chosen. Change line 490 to the stock status code of the asset chosen. Change line 500 to the stock ownership of the asset chosen. Change line 700 to the part number of the catalog chosen. Change line 710 to the cage code that corresponds to the part number. Change line 720 to the stock status code of the asset. Change line 730 to the stock ownership of the asset. Stow the adhoc program.
- Using the supplied Job Control Language (JCL) (see Appendix E for the JCL) as an example, build a job stream and execute the batch job.
- Using the Monitor Transaction (MONTRANS) process, verify whether or not a Due In Stocked Commercial (DISC) transaction was created. If no transactions were created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the adhoc program, stow the program and rerun the batch job. Possible errors could be unit of issue (ea) does not match the asset unit of issue, the priority (A) is not on the priority table or an error was returned from the Pre-ET user exit.

Validation - Direct Buy Commercial Due In

- Using the Catalog Scan (CATSCAN) process, select a catalog record with a part number that does not exist on another catalog record. Note the part number and cage code.

- Using the Asset Scan (SCANASET) process, select an asset for the catalog record chosen previously. Note the NSN.
- At the next prompt, edit the adhoc program (NSMS868A). Change line 460 to the stock status code of the asset. Change line 470 to the stock ownership of the asset. Change line 520 to the part number of the catalog chosen. Change line 530 to the cage code that corresponds to the part number. Change line 710 to the NSN chosen. Change line 720 to the stock status code of the asset chosen. Change line 730 to the stock ownership of the asset chosen. Stow the adhoc program.
- Using the supplied Job Control Language (JCL) (see Appendix E for the JCL) as an example, build a job stream and execute the batch job.
- Using the Monitor Transaction (MONTRANS) process, verify whether or not a Due In Direct Buy Commercial (DIDC) and the Due Out Direct Buy (DODR) transaction were created. Also, verify the part number is being displayed on the transaction. If no transactions were created, look at the output file created from the batch job which contains the errors that occurred. Correct the data using the adhoc program, stow the program and rerun the batch job. Possible errors could have occurred if unit of order (ea) does not match the asset unit of order, the domain (NS) is not entered or an error was returned from the Pre-Et user exit.

6. Problem - (Adjust Due Out) 1620# - 912

When attempting to adjust multiple due outs (back to back), a Natural error (1316 (index out of array) at line 2740) is returned.

ACTION - Correct process to allow multiple due outs to be adjusted.

VALIDATION

- Using the Commodity Manager Table Maintenance (COMGRTAB) process, change your user id to contain the maximum entries (20) allowed in the table.
- Using the Monitor Transaction (MONTRANS) process, locate two open due out stocked (DOST) transactions. Note the document numbers of the due out transactions.
- Using the Adjust Due Out (ADJUSTDO) process, process an adjustment of one of the due out transactions to completion. Process an adjustment of the other due out transaction to completion.
- Using the Monitor Transaction (MONTRANS) process, verify both adjustment transactions were created.

APPENDIX D

INSTALLATION INSTRUCTIONS AND CHECKLIST

Introduction

Release information:

System Name: NSMS
Release Number: 5.2.1
Release Date: February 1998
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NSMS)

Telephone: (205) 544-6673
Email: pam.leak@msfc.nasa.gov
FAX: (205) 544-1836

The following datasets are located on the NASA Central Distribution Facility as NASA data sets:

- **AIMS.NSMS.PROD.REL521.REL0298.DOC**
  VOLUME = site determined
  ORG = PO
  RECFM = FB
  LRECL = 80
  BLKSIZE = 4000
  TRKS = 4

- **AIMS.NSMS.PROD.REL521.REL0298.PRD**
  VOLUME = site determined
  ORG = PS
  RECFM = VB
  LRECL = 4624
  BLKSIZE = 4628
  TRKS = 97

- **AIMS.NSMS.PROD.REL521.REL0298.SRC**

VOLUME	=	site determined
ORG	=	PS
RECFM	=	VB
LRECL	=	4624
BLKSIZE	=	4628
TRKS	=	55

These datasets are located on the Central Bulletin Board and have allocation requirements based on a 3390 disk drive.

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 10.0 to assist in tracking the installation of this release.

1.0 Back Up Existing Data
2.0 Copy Source/Object Code
3.0 Pre-Predict Data Conversion
4.0 Install Predict
5.0 Catalog Source Code
6.0 Post-Predict Data Conversion
7.0 Load Natural Error Messages
8.0 Perform Release-Specific Procedures
9.0 Local JCL Mods
10.0 Installation Checklist

1.0 Back Up Existing Data

It is advisable to back up all NSMS files as a precautionary measure prior to installation.

2.0 Copy Source/Object Code

2.1 Load Source Code

Load the NSMS source modifications from the dataset AIMS.NSMS.PROD.REL521.REL0298.SRC. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library named NSMS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	24
MAPS	28
HELP ROUTINES	0
SUBROUTINES	23
SUBPROGRAMS	5
PROGRAMS	12
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	**92**

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

MODULE ID	MODULE NAME	TYPE	CCR#
NSDLICTA	Identify Matched Count Inventory	LDA	39
NSDLICTB	Generate Inventory Traceable Lot	LDA	39
NSDLICT1	Process Traceable Counts	LDA	39
NSDLICT2	Build Traceable Lots	LDA	39
NSDLICT3	Process Traceable Counts	LDA	39
NSDLICT4	Process Traceable Adjustments	LDA	39
NSDLICT5	Process Traceable Adjustments	LDA	39
NSDLICT6	Process Traceable Adjustments	LDA	39
NSDLICT7	Scan Inventory traceable records	LDA	39
NSDLICT8	Process Traceable Final Lot	LDA	39
NSDLICT9	Process Traceable Final Lot	LDA	39
NSMFICW3	Whse Data Collect. Header Map	MAP	39
NSMFICW4	Whse Data Collect. Detail Map	MAP	39
NSMFICW5	Whse Data Collect. Trace Map	MAP	39
NSMFICW6	Whse Data Collect. Underlined	MAP	39
NSMFICW7	Whse Data Collect. Blank Hdr	MAP	39
NSMFICW8	Whse Data Collect. Underlined	MAP	39
NSMHICT1	Process Traceable Counts Help	MAP	39
NSMHICT7	Scan Inv. traceable records Help	MAP	39
NSMPICT1	Process Traceable Counts	MAP	39
NSMPICT7	Scan Inventory Traceable records	MAP	39
NSSRICTA	Identify Matched Count Inventory	SUB	39
NSSRICTB	Generate Inventory Traceable Lot	SUB	39
NSSRICT1	Process Traceable Counts	SUB	39
NSSRICT2	Build Traceable Lots	SUB	39
NSSRICT3	Process Traceable Counts	SUB	39
NSSRICT4	Process Traceable Adjustments	SUB	39
NSSRICT5	Process Traceable Adjustments	SUB	39
NSSRICT6	Process Traceable Adjustments	SUB	39
NSSRICT7	Scan Inventory Traceable records	SUB	39
NSSRICT8	Process Traceable Final Lot	SUB	39
NSSRICT9	Process Traceable Final Lot	SUB	39
NSSPCKDT	Check Dates	SUBP	892

Changed Modules

MODULE ID	MODULE NAME	TYPE	CCR#
NSMPINIT	NSMS InitialMap	MAP	
NSPRICWR	Warehouse Data Collection Rpt	PGM	39
NSDLICWR	Warehouse Data Collection Rpt	LDA	39
NSDLICAD	Scan Inventory Records	LDA	39
NSDLICPC	Inventory Control Report	LDA	39
NSDLICAJ	Scan Inventory Records	LDA	39
NSDLICBL	Build Inventory Lot	LDA	39

NSDLICMM	Inventory Counts Main Menu	LDA	39
NSDLICWC	Inventory Lot Report	LDA	39
NSDLINVA	Scan Inventory Records	LDA	39
NSMFICP1	Inventory Lot Report	MAP	39
NSMFICP2	Inventory Lot Report	MAP	39
NSMFICP3	Inventory Lot Report	MAP	39
NSMFICP5	Inventory Lot Report	MAP	39
NSMFICW1	Warehouse Data Collection Report	MAP	39
NSMFICW2	Warehouse Data Collection Report	MAP	39
NSMHICWC	Process Warehouse Counts Help	MAP	39
NSMPICBR	Build Inventory Control Record	MAP	39
NSMPICFG	Build Inventory Control Record	MAP	39
NSMPICPW	Build Inventory Control Record	MAP	39
NSMPICSA	Build Inventory Control Record	MAP	39
NSMPICTA	Build inventory Control Record	MAP	39
NSMPICWC	Process Warehouse Counts	MAP	39
NSMPICWD	Process Warehouse Counts	MAP	39
NSMPINVB	Scan Inventory Records	MAP	39
NSSRICAD	Abort/Delete Inventory	SUB	39
NSSRICWC	Inventory Lot Report	SUB	39
NSSRISPR	Suspended Pre Post Issues	SUB	39
NSSRISPP	Suspended Post Post Issue	SUB	39
NSPRICPC	Inventory Control Report	PGM	39
NSPRICLS	Bin Location Summary Report	PGM	39
NSPTICMM	Inventory Counts Main menu	PGM	39
NSPTINVA	Scan Inventory Records	PGM	39
NSPUICAJ	Scan Inventory Records	PGM	39
NSPUICBL	Build Inventory Lot	PGM	39
NSSFICBH	Inventory Counts Parm Maintenance	PGM	39
NSPUFDUC	Fedmil Status Updates	PGM	892
NSSRFSUA	Fedmil REQ Status Updates	SUB	892
NSMPFSUA	Fedmil REQ Status Updates	MAP	892
NSDLFCRD	Fedmil card format	LDA	892
NSSRDATE	Date Conversions	SUB	892
NSSRPRRT	Semiannual rpt of personal property	SUB	892
NSSR1324	Receipt process response time	SUB	892
NSMPRSHF	Capture Shelf Life Data	MAP	892
NSSRCIRT	Issues process response time	SUB	892
NSMPICFG	Inventory Counts	MAP	902
EDPUDLVR	Delivery Update	PGM	903
EDPRUPLD	Receipt (JIT load)	PGM	903
EDDLVCJT	Generate JIT Order	LDA	903
EDSRVCJT	Generate JIT Order	SUB	903
NSDLPROD	Procurement Order Demand Items	LDA	911
NSPUPROD	Procurement Order Demand Items	SUBP	911
NSSRPRCA	Procurement Order Stocked	SUB	911
NSPUISSE	Issue Parts Process	SUBP	911
NSSRISSA	Issue Parts Process	SUB	911
NSPURSVE	Reserve Parts Process	SUBP	911
NSDLRSVE	Reserve Parts Process	LDA	911
NSPUTINC	Turn In No Credit	SUBP	911
NSDLTINC	Turn In No Credit	LDA	911
NSPTAADO	Adjust Due Out	PGM	912

Deleted Modules

No modules were deleted within this release.

3.0 Pre-Predict Data Conversion

There is no Pre-Predict data conversion for this release.

4.0 Install Predict

4.1 Data Dictionary Changes

Use SYSDICBE to load the PREDICT modifications from the dataset AIMS.NSMS.PROD.REL521.REL0298.PRD. This release will include the new enhancements for version 5.2.1. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing Predict reporting on the keyword NSMS5.2.1.

DDMs should be generated for NS-INVENTORY and NS-INVENTORY-TRACE userviews. NS-INVENTORY-TRACE will need to be linked to the NSMS library with UPDATE access.

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the Predict object modules for this release.

PREDICT Objects by Type:

Keyword	-	1
Standard file	-	1
Conceptual help file	-	1
ADABAS Files and Views	-	4
Data Elements	-	1297

4.1.2 Storage Considerations

It is impossible to suggested a size for the new NS-INVENTORY-TRACE-FILE without having extensive knowledge of a given NASA Center's Traceable items. A large inventory may have few traceable items while a small inventory may have many traceable items. It is recommended that the Center DBA work with the Center's NSMS Functional Users to determine sizing for this new file.

4.1.3 Physical File Changes

Add the following new fields:

```
NS-INVENTORY-FILE                    File # 177
     Ty L Field name                        F  Length   Occ   D U DB S
     *- - ------------------------------- *- -------- ----- * * -- *
        1 TRACE-KEY                         A     30.0            AT N
```

Add new file NS-INVENTORY-TRACE-FILE (088) with all the elements, descriptors, and superdescriptors defined for this file in PREDICT.

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NSMS or other named library. **IT IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NSMS application will run under the NASA On-line standard parameter.

6.0 Post-Predict Data Conversion

There is no Post-Predict data conversion for this release.

7.0 Load Natural Error Messages

There are no error messages for this release.

8.0 Perform Release-Specific Procedures

There are no release specific procedures for this release.

9.0 Local JCL Mods

There are no local JCL mods for this release.

10.0 Installation Checklist

1.0 Back Up Existing Data
2.1 Load Source Code
4.0 Install Predict
5.0 Catalog Source Code

APPENDIX E

SAMPLE JCL

Issues/Reservations

```
000100 //THNSMSMS  JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,
000200 //       NOTIFY=XXXXXX
000300 //*JOBPARM LINES=100
000400 // EXEC N01Z
000500 //CMPRINT   DD  SYSOUT=(R,P3030132),COPIES=1
000600 //CMSYNIN   DD  *
000700 NSMSTEST,NSBATCH
000800 NSBATCH
000900 NSMS868C
001000 NSPUPART
002700 //CMPRT01   DD  SYSOUT=(7),DEST=U1109
002800 //CMWKF01  DD DSN=MSIRM.NSMSDD.FLGHTE,DISP=(MOD,KEEP),
002900 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)
003000 //CMWKF02  DD DSN=MSIRM.NSMSDD.FLGHTF,DISP=(MOD,KEEP),
003010 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)
003020 /*
```

The data set name of work file one (CMWKF01) should be the name of the external file.

Stocked Commercial Due In

```
000100 //THNSMSMS  JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,
000200 //       NOTIFY=XXXXXX
000300 //*JOBPARM LINES=100
000400 // EXEC N01Z
000500 //CMPRINT   DD  SYSOUT=(R,P3030132),COPIES=1
000600 //CMSYNIN   DD  *
000700 NSMSTEST,NSBATCH
000800 NSBATCH
000900 NSMS868B
001000 NSPUPART
002700 //CMPRT01   DD  SYSOUT=(7),DEST=U1109
002800 //CMWKF01  DD DSN=MSIRM.NSMSDD.FLGHTA,DISP=(MOD,KEEP),
002900 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)
003000 //CMWKF02  DD DSN=MSIRM.NSMSDD.FLGHTB,DISP=(MOD,KEEP),
003010 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)
003020 /*
```

The data set name of work file one (CMWKF01) should be the name of the external file.

Direct Buy Commercial Due In

```
000100 //THNSMSMS  JOB (6AI992930043,503),'XX',MSGCLASS=J,CLASS=P,
000200 //       NOTIFY=XXXXXX
000300 //*JOBPARM LINES=100
000400 // EXEC N01Z
000500 //CMPRINT   DD  SYSOUT=(R,P3030132),COPIES=1
000600 //CMSYNIN   DD  *
000700 NSMSTEST,NSBATCH
000800 NSBATCH
000900 NSMS868A
001000 NSPUPART
002700 //CMPRT01   DD  SYSOUT=(7),DEST=U1109
002800 //CMWKF01  DD DSN=MSIRM.NSMSDD.FLGHTC,DISP=(MOD,KEEP),
002900 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)
003000 //CMWKF02  DD DSN=MSIRM.NSMSDD.FLGHTD,DISP=(MOD,KEEP),
003010 // SPACE=(CYL,(5,1),RLSE),DCB=(RECFM=FB,BLKSIZE=1770)
003020 /*
```

The data set name of work file one (CMWKF01) should be the name of the external file.

APPENDIX F

PC FULL INSTALLATION PROCEDURES OF NOSC

REQUIREMENT: MUST begin with a CLEAN MACHINE (i.e. NOSC not previously loaded or all files/folders pertaining to it deleted)

I. **CONNECTING TO THE SERVER**

A. From **Window 3.1 file manager or Window 95 Explorer**,

1. Choose **New**
2. Choose **Folder** Option and create the temporary **nosc10** folder (**c:\nosc10** will be used to hold downloaded zip files for the application installation).
3. Choose **Folder** Option and create the **sql10** folder (**c:\sql10** will be used to hold the open client interface zip file).
4. Choose **Folder** Option and create the **c:\sql10\netlib** folder (**c:\sql10\netlib** will be used to hold the additional open client interface zip file).

B. **OPEN an FTP Server Connection** to access the Remote Host **wizard.msfc.nasa.gov** (IP: 128.158.144.240). NOTE: These entries including the Remote Host is CASE SENSITIVE!

1. Login Information
   a) User Name - **aim**
   b) Password - **aimftp**
   c) Remote Operating System - **UNIX** (should be preset)
2. REMOVE the check mark from the **Anonymous Login** prompt, if it exists.

NOTE: If a file transfer application doesn't exist on your machine, proceed to the following directory, the **apps/nsms/platform_specific_folder/ws_ftp.zip** or **ws_ftp.exe** file and proceed with the installation.

C. Double click on the **apps/nsms/pc_install/versions**[**win3.x** OR **win95**]/**nosc104** folder

1. Select the version to be downloaded by double clicking on that particular folder.
2. Download the following files into your local **c:\nosc10** folder**.**
   disk1.zip
   disk2.zip
   disk3.zip
   disk4.zip

D. Using the **down arrow** or **ChgDir** Option go to the **apps/nsms/pc_install/support/sql10** folder on the **Remote System** side.
   1. Download the **sql10.zip file** to your local **C:\sql10** folder**.**
   2. Using the down arrow or ChgDir Option go to the **apps/nsms/pc_install/client/10.0.3** folder on the **Remote System** side Download the **netlib95.zip file** to your local **C:\sql10\netlib folder.**

      NOTE: If an unzip utility doesn't exist on your machine, proceed to the following directory depending on your platform:
      Win 95 - **apps/nsms/pc_install/support/win95/winzip95.zip**
      Win3.x - apps/nsms/pc_install/support/win3.x/winzip.zip
   3. Proceed with the installation of this utility.

E. **CLOSE** the connection to the remote FTP Server, by clicking on File, then choose **close**.

II. **INSTALLATION**

A. After the installation of WINZIP
   1. Click on the **Open icon**, point to the **c:\nosc10** folder and locate the **zip files.**
   2. Highlight **disk1.zip**, click OK, you can now see the contents of the zip file.
   3. Click on the **EXTRACT icon**, point to the **c:\nosc10** folder, then **Extract.**
      NOTE: May already be pointing to correct folder.
   4. **Repeat II.A.1 through II.A.3 for disk1.zip to disk4.zip files.**
   5. Proceed to the **c:\nosc** directory and run **setup.exe.**
   6. SUCCESSFUL INSTALLATION OF THE APPLICATION.

B. Unzip/Extract to the **c:\sql10** folder, using the previously downloaded in Zip.
   1. Click on the **Open icon**, point to the **c:\sql10** folder and locate the **zip files.**
   2. Select **OPEN ARCHIVE.**
   3. Click on the **Open Icon**, point to the **c:\sql10** folder and locate the **zip files.**
   4. Highlight **sql10.zip**, click OK, you can now see the contents of the zip file.
   5. Click on the **EXTRACT icon**, point to the **c:\sql10** folder, then **Extract.**
   6. After the EXTRACT is complete repeat **Step II.B.4 through II.B.5** for the **netlib95.zip file** extracting/installing into this directory.

C. Verify that the **WISQL.exe** file is found in the following directory **c:\sql10\bin** folder**.**

III. **CONFIGURING YOUR ENVIRONMENT** (NOTE: AGENCY SPECIFIC information).

A. Using **Window 3.1 file manager or Window 95 Explorer**, verify the existence of the following folders:
\nosc
\pbrt

B. Additional support files are in the **apps/nsms/pc_install/support** folder, which are used for installation problem detection/correction.

C. Edit the **c:\sql10\sql.ini** file using NOTEPAD or SQLEDIT preferably and **REMOVE** other agency headers. NOTE: Winsock Entries in this file may be platform specific.

```
[SYBASE_MSFC_TST]
win3_query=WNLWNSCK,aim2msfc,2025

[SYBASE_ARC]
win3_query=WNLWNSCK,aim2arc.arc.nasa.gov,2061
```

D. Modifying the **c:\nosc\nosc.ini** file change:
1. SERVER_NAME to the appropriate entry based on your AGENCY. NOTE: See the information in the [ ] above. i.e. SYBASE_MSFC, SYBASE_LERC, etc.
2. DATABASE name to the appropriate entry based on your agency representation. NOTE: See the information in the [ ] above. i.e. MsfcNsmsPrd, LercNsmsPrd, etc.
3. LOGINID to the appropriate entry based on your AGENCY. NOTE: See the information in the [ ] above. i.e. msfcnsms, lercnsms, etc.

E. Save the file, then EXIT.

F. Verify that the **c:\nosc10\opensrv.dat** file has the following NATURAL connection test variables:
APPC141
LSERVER4
NOSTST
test_natural

G. Proceed to the **c:\sql10** folder.

H. Create a **c:\sql10\dll** folder.

I. Copy c:\sql10\savedll*.dll to c:\sql10\dll.

J. Verify the **c:\autoexec.bat** file has the appropriate paths specified. Path should contain either a separate line entry or have \nosc; c:\pbrt; c:\sql10\dll. Should also contain a the following statement:
SET SYBASE = c:\sql10

K. REBOOT your machine

IV. **TESTING the CONNECTIVITY to the SYBASE database**

A. Edit the **c:\sql10\ini\sql.ini** file using the **c:\sql10\bin\sqledit.exe utility:**

1. Select the appropriate server for your installation.
2. **ADD** the appropriate entries to this file based on your AGENCY.
   NOTE: Adhere to the current file format.

```
MSFC
[SYBASE_MSFC_TST]
WIN3_QUERY=WNLWNSCK,aim4msfc.msfc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim4msfc.msfc.nasa.gov,2061

LeRC
[SYBASE_LERC]
WIN3_QUERY=WNLWNSCK,aim2lerc.lerc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim2lerc.lerc.nasa.gov,2061

AMES
[SYBASE_ARC]
WIN3_QUERY=WNLWNSCK,aim2arc.arc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim2arc.arc.nasa.gov,2061

KENNEDY
[SYBASE_KSC]
WIN3_QUERY=WNLWNSCK,aim2ksc.ksc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim2ksc.ksc.nasa.gov,2061

LANGLEY
[SYBASE_LARC]
WIN3_QUERY=WNLWNSCK,aim2larc.larc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim2larc.larc.nasa.gov,2061
```

STENNIS
[SYBASE_SSC]
WIN3_QUERY=WNLWNSCK,aim2msfc.msfc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim2msfc.msfc.nasa.gov,2061

DRYDEN
[SYBASE_DFRC]
WIN3_QUERY=WNLWNSCK,aim2arc.arc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim2arc.arc.nasa.gov,2061

JOHNSON
[SYBASE_JSC]
WIN3_QUERY=WNLWNSCK,aim2ksc.ksc.nasa.gov,2025

[NOSTST]
WIN3_QUERY=WNLWNSCK,aim2ksc.ksc.nasa.gov,2061

B. After the addition, **SELECT** the appropriate entry and then Click on the **PING button.** NOTE: You should get ...Ping was successful.
C. EXIT this utility.

V. **RUNNING THE APPLICATION**
A. Proceed to the **c:\sql10\bin** folder, run **WSYBPING.exe** to verify connectivity to the appropriate database. NOTE: Should return '... Is Alive...', if not, continue.
B. Run **c:\sql10\bin\wisql.exe** or **c:\sql10\bin\wisql95.exe** to verify the database environment.
C. Once connection has been established to your particular server and screen is up, type **use MsfcNsmsPrd** (Agency specific) type **sp_help** + **<ctrl>[enter]** (you should see the 13 mosc tables).
D. Under START bar, locate the NOSC 1.0.4 icon and double click. Application should run.
   1. Enter the proper login information. This should activate the **Catalog Inquiry Driver**. Maximize the Catalog Inquiry Driver screen, if necessary.
   2. Click on the **Scan bar** and there should be a screen of data returned.
   3. Click on the **Detail bar** to get the detailed data.

4. Click on the **Close bar** of the Scan screen.
5. Click on the **Quit bar** of the Catalog Inquiry Driver screen.

NOTE: Further testing of the application may now be done.

VI. **TROUBLESHOOTING THE APPLICATION**:

A. If application does not run initially:
   1. Verify the information in the following files compare agency login information in Step III.D to data in **c:\nosc\nosc.ini**.
   2. Compare agency login information in Step IV.A to data in **c:\sql10\sql.ini**.
   3. Repeat Step IV **Database Connectivity.**
   4. Call MSFC System Support, Sylvia Battles, (205)544-8366 or Yvonne Gulley (205) 544-1296, for installation assistance.

VII. **CLEANING UP AFTER INSTALLATION**

A. Delete the following files/folders:
   \nosc10
   \sql10\sql10.zip
   \winzip\winzip.zip (if downloaded and installed)
   \sql10\netlib95.zip

VIII.**TO DOWNLOAD WS_FTP/WS_FTP32 UTILITY:**

A. Using **Netscape** change the PATH to:
   www4.zdnet.com/pccomp/1001d1/html/category/utility/comp.html
B. Then locate the specified utility and download.

IX. **HOW TO USE / INSTALL WS_FTP/WS_FTP32 UTILITY (REMOTE FILE TRANSFER UTILITY)**

A. Locate the downloaded utility and double click, then follow installation procedures.
B. Select the executable **ws_ftp.exe** or **ws_ftp32.exe.**
   1. Enter **HOST NAME** wizard.msfc.nasa.gov or 128.158.144.240
   2. Enter **USERID** aim
   3. Enter **PASSWORD** aimftp
      NOTE: Remove the checkmark from **Anonymous Login** (to the right), if present.
C. Proceed to the appropriate UNIX directory for data download.

X. **HOW TO USE / INSTALL WINZIP/WINZIP 6.2 (32-BIT) UTILITY**

A. Select **AGREE** on the licensing prompt.
B. Select the **OPEN** Icon, See the newly opened **OPEN ARCHIVE** Window.
C. Locate the **.ZIP** file to be uncompressed/extracted.

D. Select **OPEN button** (Now you should be viewing the files to be extracted from the ZIP file).
E. Select the **EXTRACT** Icon, See the newly opened **EXTRACT** Window.
F. Under the **Extract To** Field, Click on the ARROW (->).
G. Proceed to the right and locate the **Remote Host** systems folder where you want the files to be put.
H. Select **EXTRACT.**
I. Repeat steps as needed.

PC UPGRADE INSTALLATION PROCEDURES OF NOSC

The following procedures are used to install the NSMS NOSC PC Version 1.0.4 software upgrade. The upgrade exists on the **WIZARD.MSFC.NASA.GOV** server.

REQUIREMENT:
A prior PC version of **NOSC** must exist on server or PC hard drive where the upgrade is to be installed. Directories for **c:\nosc** and **c:\pbrt** must exist.

The installer must be familiar with Window 3.1 file manager or Window 95 Explorer, FTP file transfer and ZIP file compression utilities.

If a file transfer application does not exist on your machine, proceed to the following server directory, **apps\nsms\pc_install\support\win95\ws_ftp.zip** file. Open the file and select the **INSTALL** option.

If an unzip utility does not exist on your machine, proceed to the following directory on the server depending on your platform (Windows 3.1 or Windows 95). Proceed with the installation of this utility.
Win 95 - **apps\nsms\pc_install\support\win95\winzip95.zip**
Win3.x - apps\nsms\pc_install\support\win3.x\winzip.zip

I. **PRE-INSTALL PREPARATION**
- A. From **Window 3.1 file manager or Window 95 Explorer**:
  1. Rename the existing **nosc** directory to **noscbkup**
  2. Rename the existing **pbrt** directory to **pbrtbkup**
  3. Choose the **New Folder** Option and create the temporary **c:\nosc10** folder**, c:\nosc10** will be used to hold downloaded zip files for the application installation.

II. **CONNECTING TO THE SERVER**
- A. **OPEN an FTP Server Connection** to access the Remote Host **wizard.msfc.nasa.gov.** These entries including the Remote Host are **CASE SENSITIVE**!
- B. Login Information
  - User Name - **aim**
  - Password - **aimftp**
  - Remote Operating System - **UNIX** (should be preset)
- C. REMOVE the check mark from the **Anonymous Login** prompt (if it exists).
- D. When the directories display

1. Double click on each directory until the path **apps\nsms\pc_install\versions win95\nosc104** folder is opened.
2. Download the following files into your local **c:\nosc10** folder:
   disk1.zip
   disk2.zip
   disk3.zip
   disk4.zip

E. **CLOSE** the connection to the remote FTP Server.

III. INSTALLATION

A. Open the **WinZip application.**
B. Select **OPEN ARCHIVE**
1. Click on the **Open icon**, point to the **c:\nosc10** folder and locate the **zip files**
2. Highlight **disk1.zip**, click OK, you can now see the contents of the zip file.
3. Click on the **EXTRACT icon**, point to the **c:\nosc10** folder, then **Extract.** (May already be pointing to correct folder).**Repeat B.1 through B.3 for disk1.zip to disk4.zip files.**
4. Close the WinZip Application.
5. Proceed to the **c:\nosc10** directory and run **setup.exe.**

C. Installation is complete.

IV. CONFIGURING YOUR ENVIRONMENT

A. Using **Window 3.1 file manager or Window 95 Explorer**, verify the existence of the following folders:

c:\nosc - contains the following files:
admin.exe
admin.pbd
nosc.exe
nosc.hlp
nosc.ini
nosc.pbd
opensrv.dat
opensrv.dll
opensrv.lib
sh20mon.exe
sh20w16.dll

c:\pbrt - contains the following files:
Dbl50w.dll Dbtl50w.dll
Dbwe50.dll Pbbgr050.dll

Pbcmp050.dll Pbdpb050.dll
Pbdse050.dll Pbdwe050.dll
Pbhlp050.dll Pbidbf50.dll
Pbitxt50.dll Pbmss050.dll
Pbodb050.dll Pbosc050.dll
Pboui050.dll Pbroi050.dll
Pbrtc050.dll Pbrte050.dll
Pbrtf050.dll Pbshr050.dll
Pbsmi050.dll Pbstr050.dll
Pbsyc050.dll Pbtyp050.dll
Pbvbx050.dll Pbwsc050.dll
Wl50en.dll Wod50w.dll
Wtr50w.dll

B. Modifying the **c:\nosc\nosc.ini** file. Change the following to match the parameters in **c:\noscbkup\nosc.ini.**
   1. SERVER_NAME; i.e SYBASE_MSFC
   2. DATABASE; i.e. MsfcNsmsPrd
   3. LOGINID; i.e. msfcnsms
   4. PASSWORD; i.e. ross01

C. Modifying the **c:\nosc\nosc.ini** file. Change the following parameters to specific the cite specific requirements.
   1. BinQtyInd = enter
   2. 'Y' for centers that update quantity at bin level
   3. 'N' for centers which do not update quantity at the bin level
   4. Domain= enter default domain

D. Save the file, then EXIT.

E. Copy **c:\noscbkup\opensrv.dat** to **c:\nosc** overlaying the existing file.

V. **Execute Nosc using normal procedures.**

VI. **CLEANING UP AFTER INSTALLATION**

Delete the following files/folders:
\nosc10
\noscbkup
\pbrtbkup

VII. Call MSFC System Support, Sylvia Battles (205-544-8366) or Yvonne Gulley, (205) 544-1296 for installation assistance.

68K MAC VERSION FULL INSTALLATION PROCEDURES OF NOSC

I. Remove all previous references to **mosc/nosc** from your system. You may rename the **openclient** folder, (**sybase**) for possible future reference.

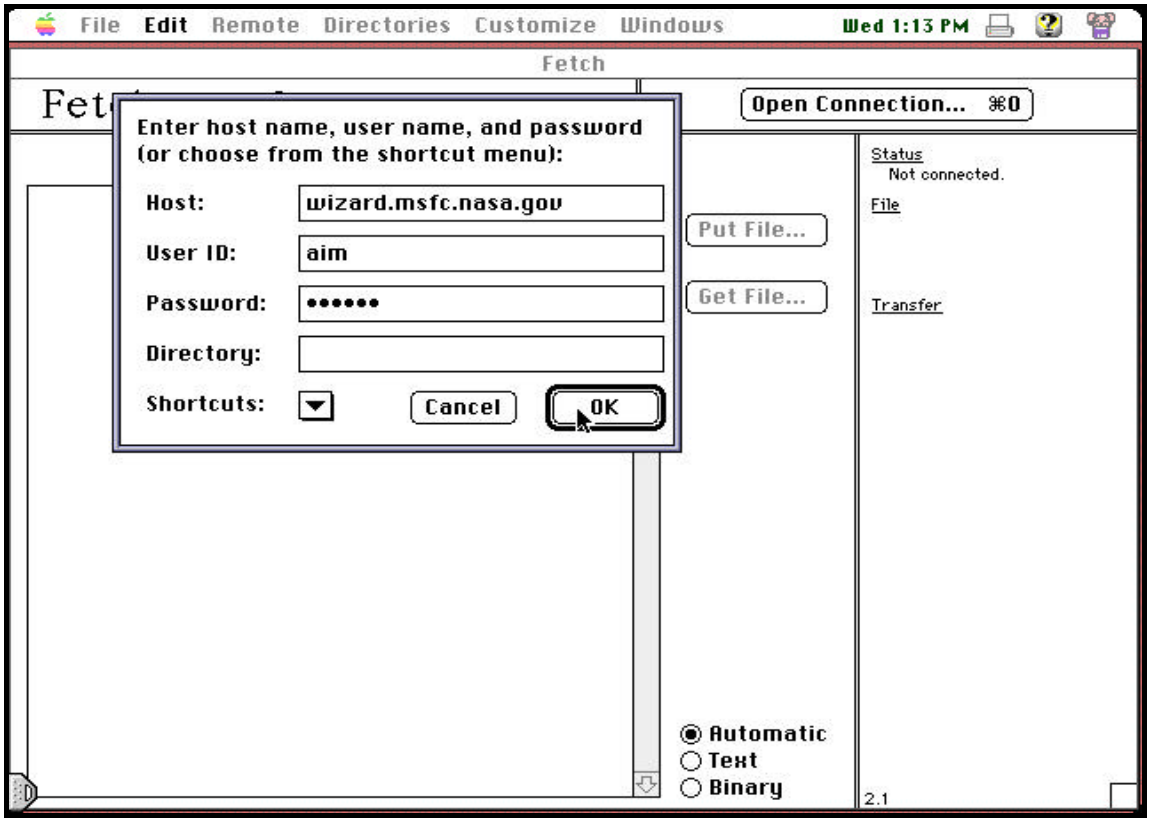
II. Create a temporary folder, **NOSC104**, to hold the files to be downloaded.

III. **DOWNLOADING THE APPLICATION AND OPENCLIENT:**

A. Use a File Transfer program (such as **Fetch**) to connect to the remote Host:

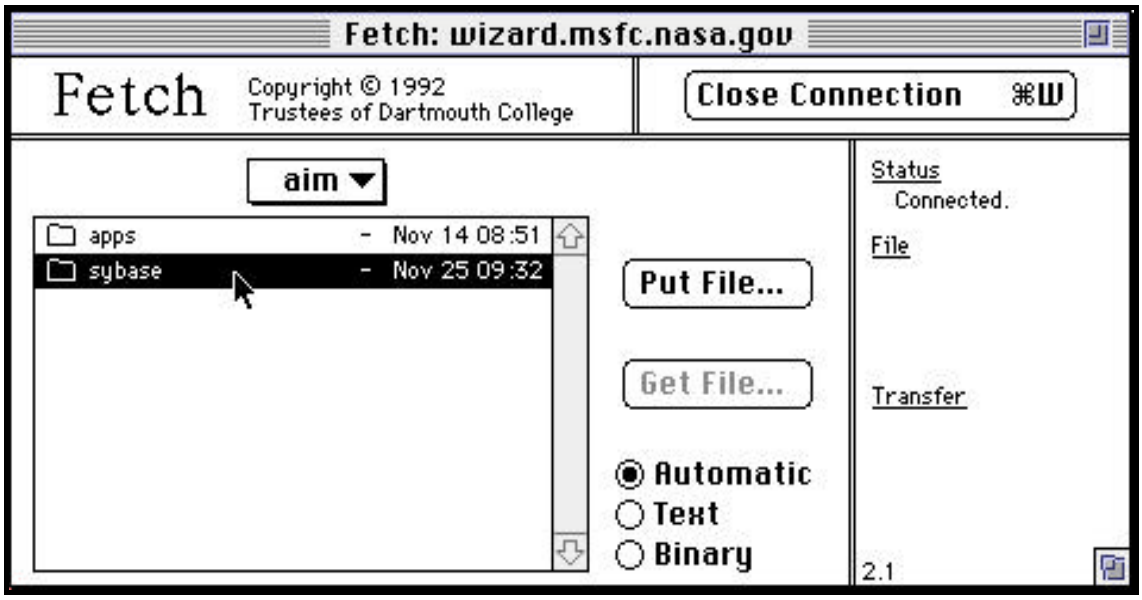
- **wizard.msfc.nasa.gov**, (IP address: 128.158.144.240)
- User ID: **aim**
- Password: **aimftp**

NOTE: FETCH may be found in the **apps/nsms/mac_install/support** folder.

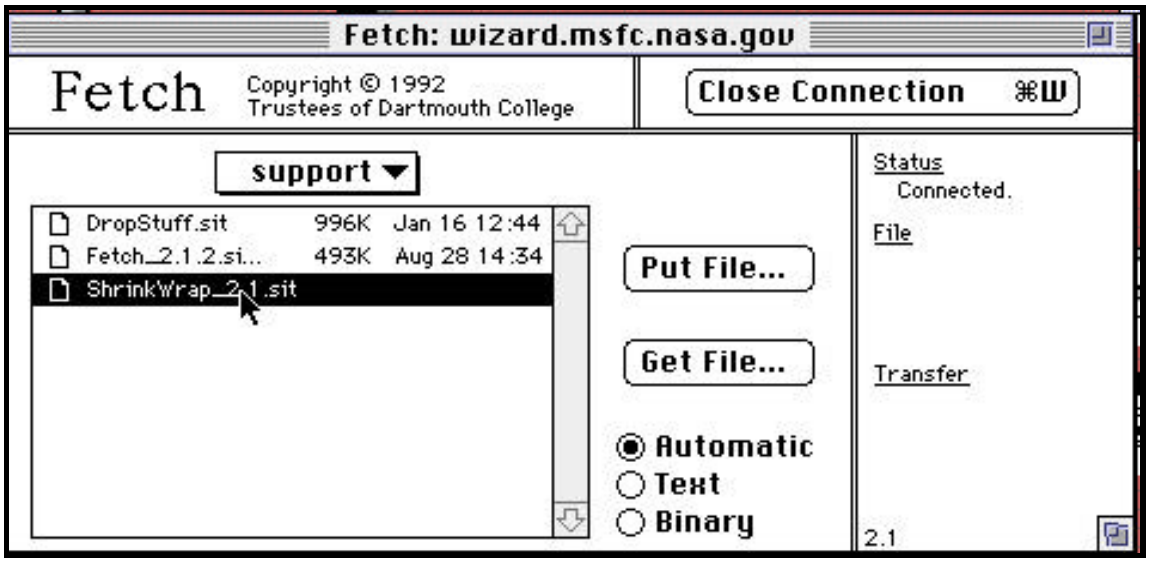


FETCH Login Screen

B. In the File Transfer screen, double click and proceed to the following folder, from the initial path: **/usr/aim/sybase/10.0.4/mac** folder.



FETCH screen after logon



FETCH Screen

C. Get File, (select **RAW** as the format type) the following files and copy to the previously created **nosc104** folder.
   - SYBASE10.0.4.imag... OpenClient application
   - **/apps/nsms/mac_install/support/** ShrinkWrap_2.1...Used to convert a binary (.bin) file

   NOTE: If **STUFFIT Expander**, **STUFFIT DELUXE, or DropStuff** does not exist on your macintosh, then download them from the WIZARD

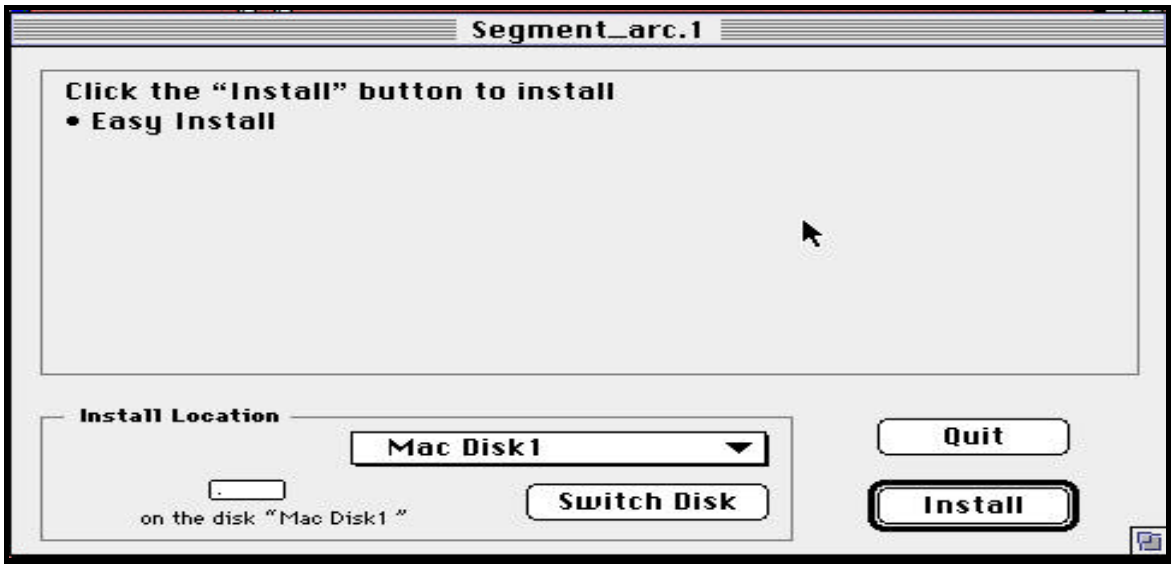
server. **STUFFIT Expander** and **DropStuff** is used to uncompress the downloaded **.sit files**. Instructions on how to use them can be found at the end of the document.

D. In the File Transfer Screen, proceed to the following folder:
   - **/usr/aim/apps/nsms/mac_install/versions/fat/applicable agency/applicable version** folder.
   NOTE: Agency -> i.e. msfc, dfrc
E. Get Files (select **RAW** as the format type) the following files and copy to **NOSC104** folder.
   - **nosc104.sit** contains INSTALLER Vise Application

IV. INSTALLATION OF THE APPLICATION AND OPENCLIENT.

A. Drag the following file onto **ShrinkWrap** application.
   - **nosc104.sit**
B. Double click on the new unshrunk file, the following files will now reside on your local disk.
   - **nosc104.vct**
   - **nosc104_seg.1**
C. Double click on the file, **nosc104_seg.1**, click on the **triangle** in the middle of the VISE Installer screen.

VISE Install Screen

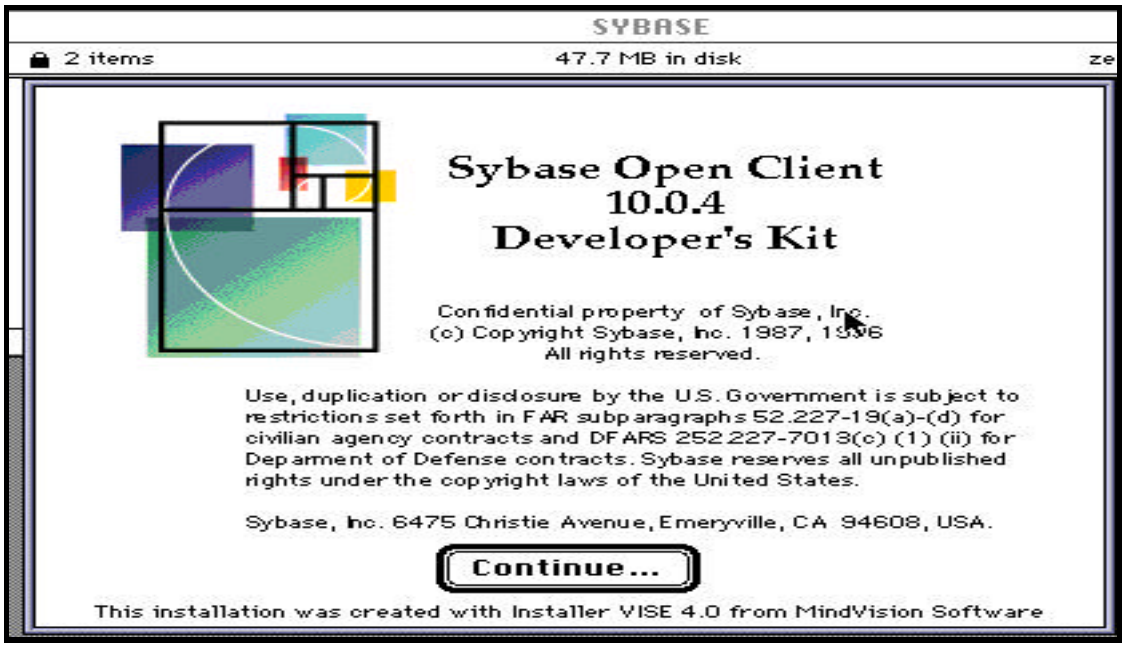


VISE Install Selection Screen

D. Click the **INSTALL** button to select the **easy install.** Install location should be okay.
E. Once completed, the **[NOSC104]** folder or **[NOSC version applicable]** folder should look like:

Name	Kind
nosc.exe	Application program
admin.exe	Application program
OPENSRV.DAT	OpenClient interface data
NOSC.ini	Application specific data

F. The **local mac disk:System Folder:Extensions** folder should contain.
   - SSA 5.0 Driver 68K
   - OpenSrvLib
G. The **local mac disk:System Folder:Preferences** folder should contain.
   - NOSC.ini



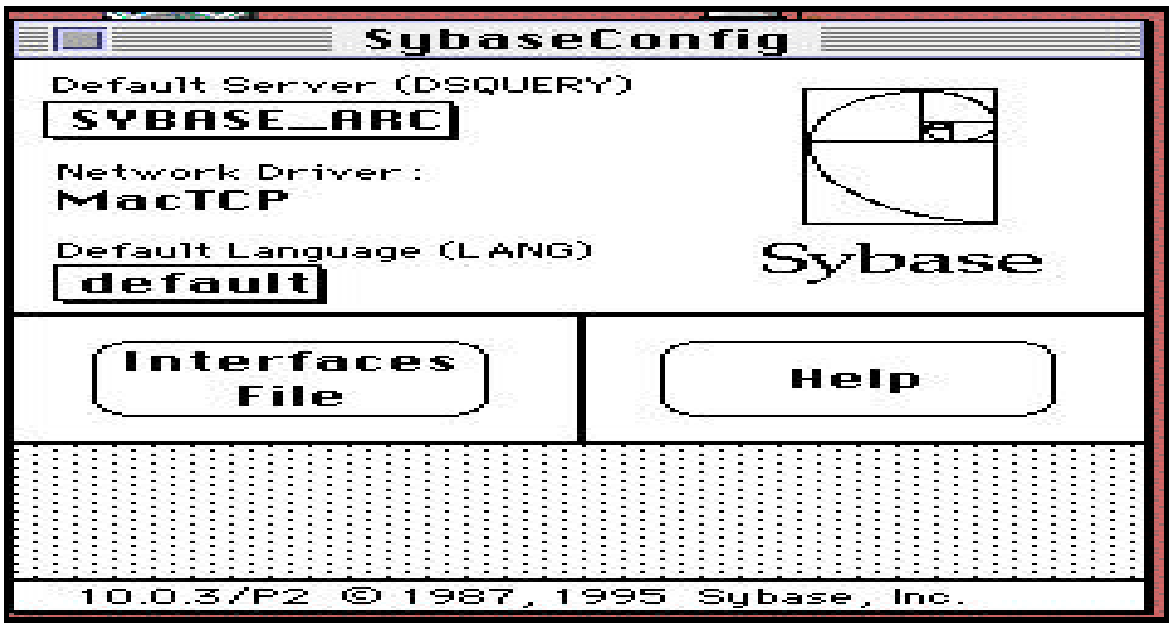
SYBASE 10.0.4 screen

V. **TO INSTALL RUNTIME VERSION OF OPENCLIENT:**

A. In the **NOSC104** folder, Double click on the file, **SYBASE10.0.4.image...**
B. Drag the downloaded, **SYBASE10.0.4.image...** onto the **ShrinkWrap** application and the **.image** will be removed.
C. Two files will appear as a result of this in a **SYBASE folder**.
D. After opening the SYBASE folder, then double click on **Open Client 10.0.4...Installer.**
E. After clicking **Continue**... On the second screen, click on **Install.**
F. Verify that the files will be installed on the local disk as specified in **disk location** section.
G. Click on **Install**.
NOTE: Once successfully loaded, the install process should load 100+ items in a folder named **SYBASE** for 68K Macintosh.

SYBASE 10.0.4 Install screen

H. YOUR SYSTEM WILL NOW BE **RESTARTED**.
I. Once logged back on, Proceed to the **SYBASE** folder, and add entries (as specified in Step Q) to the **interfaces file**.
J. From the apple menu, choose **Control Panels.**
K. Choose **SybaseConfig**.



SYBPING Screen

L. Click on the button **Interfaces File.**

M. Click on the down arrow in the upper window and choose **your local disk** to locate the **interfaces file**.
N. In the lower window, double click on the **sybase** folder and select the **interfaces** file and click **Open**.
O. **In the Default Server (DSQUERY),** the selection should be AGENCY-based... .
   MSFC - SYBASE_MSFC, AMES - SYBASE_ARC
   DFRC - SYBASE_DFRC, LeRC - SYBASE_LERC
   NOTE: The information here is replicated in the interfaces file.
P. Close the **SybaseConfig** screen.
Q. Modify the **local disk:sybase:interfaces** to reflect the following AGENCY- specific information for your agency:
   MSFC (test)
   SYBASE_MSFC_TST
   [tab]query macTCP mac_ether aim4msfc.msfc.nasa.gov 2025
   NOSTST
   [tab]query macTCP mac_ether aim4msfc.msfc.nasa.gov 2061

   AMES
   SYBASE_ARC
   [tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2025
   NOSPRD
   [tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2061

   LeRC
   SYBASE_LERC
   [tab]query macTCP mac_ether aim2lerc.lerc.nasa.gov 2025
   NOSPRD
   [tab]query macTCP mac_ether aim2lerc.lerc.nasa.gov 2061

   DFRC
   SYBASE_DFRC
   [tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2025
   NOSPRD
   [tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2061

   STENNIS
   SYBASE_SSC
   [tab]query macTCP mac_ether aim2msfc.msfc.nasa.gov 2025
   NOSPRD
   [tab]query macTCP mac_ether aim2msfc.msfc.nasa.gov 2061

JOHNSON
SYBASE_JSC
[tab]query macTCP mac_ether aim2ksc.ksc.nasa.gov 2025
NOSPRD
[tab]query macTCP mac_ether aim2ksc.ksc.nasa.gov 2061
NOTE: The order of the AGENCY information sometimes may cause problems, therefore place ONLY your agency information, DELETING any agency information that is not specific to your agency.

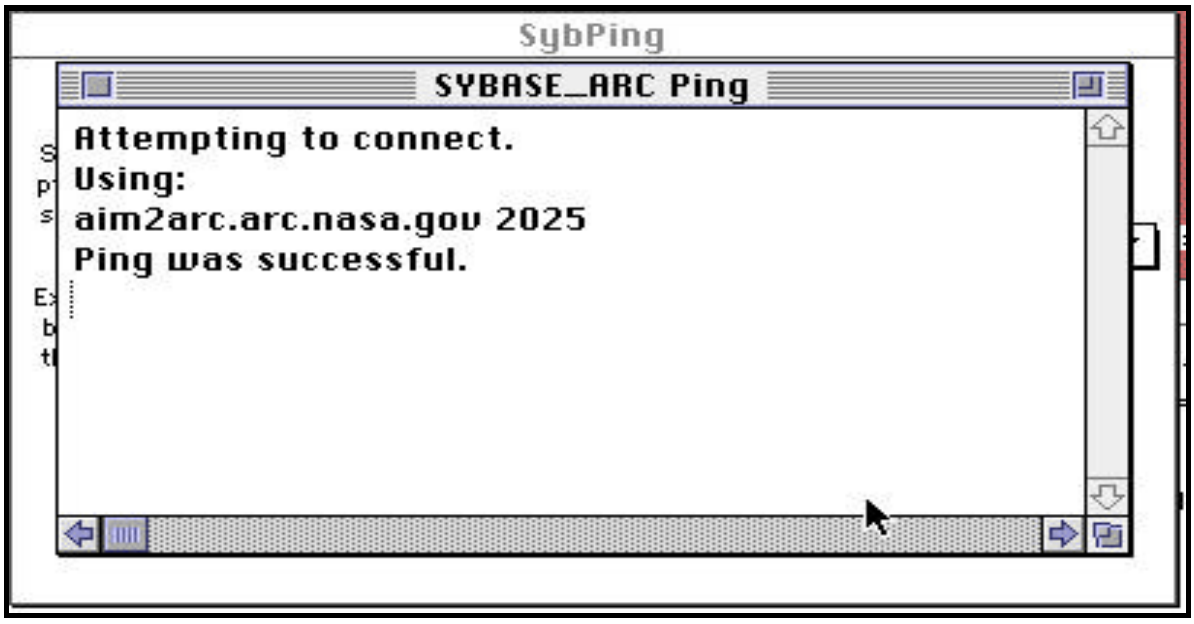
R. PORT # varies from 2060, 2061, 2062 for the **NOSPRD**, **NOSTST** entry. Therefore if connectivity doesn't exist initially using a particular port, change the PORT number and continue to PING until successful.

S. Verify the **openclient locales data** file.
   1. Open the local **mac disk:sybase:locales:locales.dat**
   2. Verify and change the [mac} entry to reflect the following.
      [mac]
      locale=default, us_english, iso_1
      locale=us_english, us_english, mac

VI. **VERIFY CONNECTIVITY TO THE DATABASE:**

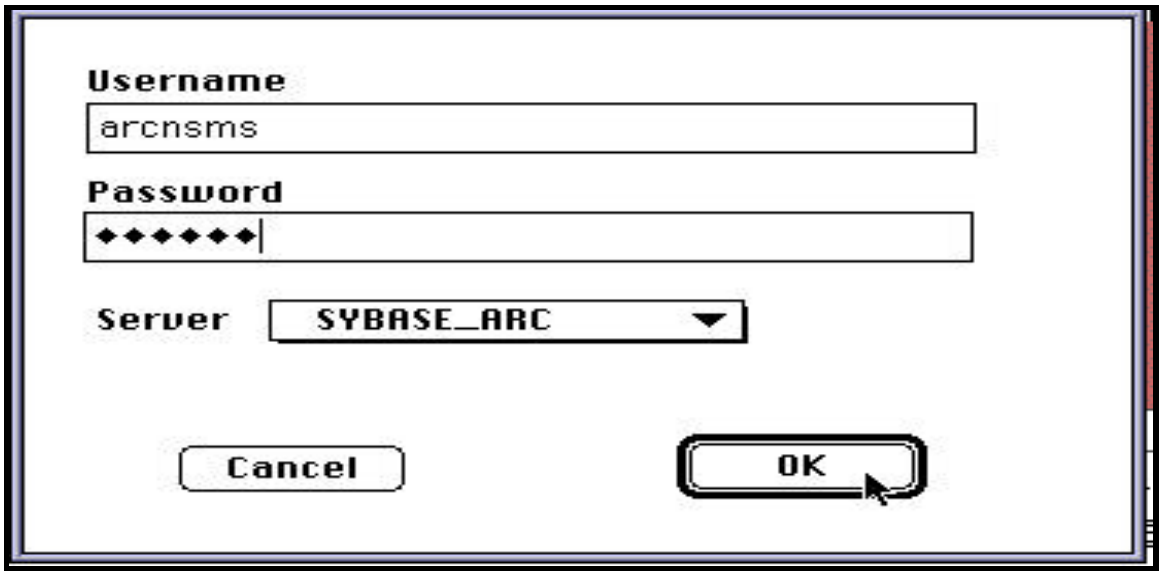
A. Open the **local disk:sybase:bin** folder.

B. Run the **sybping utility** to verify that the connection is established for the applicable agency.
   NOTE: Run this on the **SYBASE_MSFC and the NOSTST** entries.

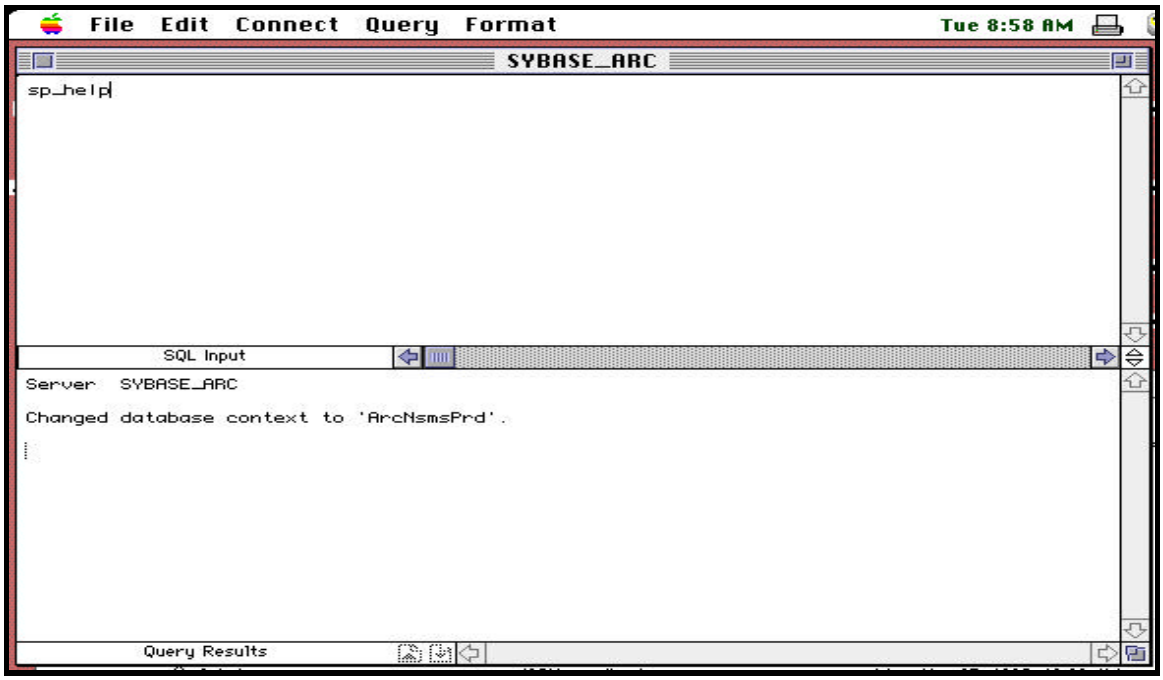


SYBPING Utility Screen

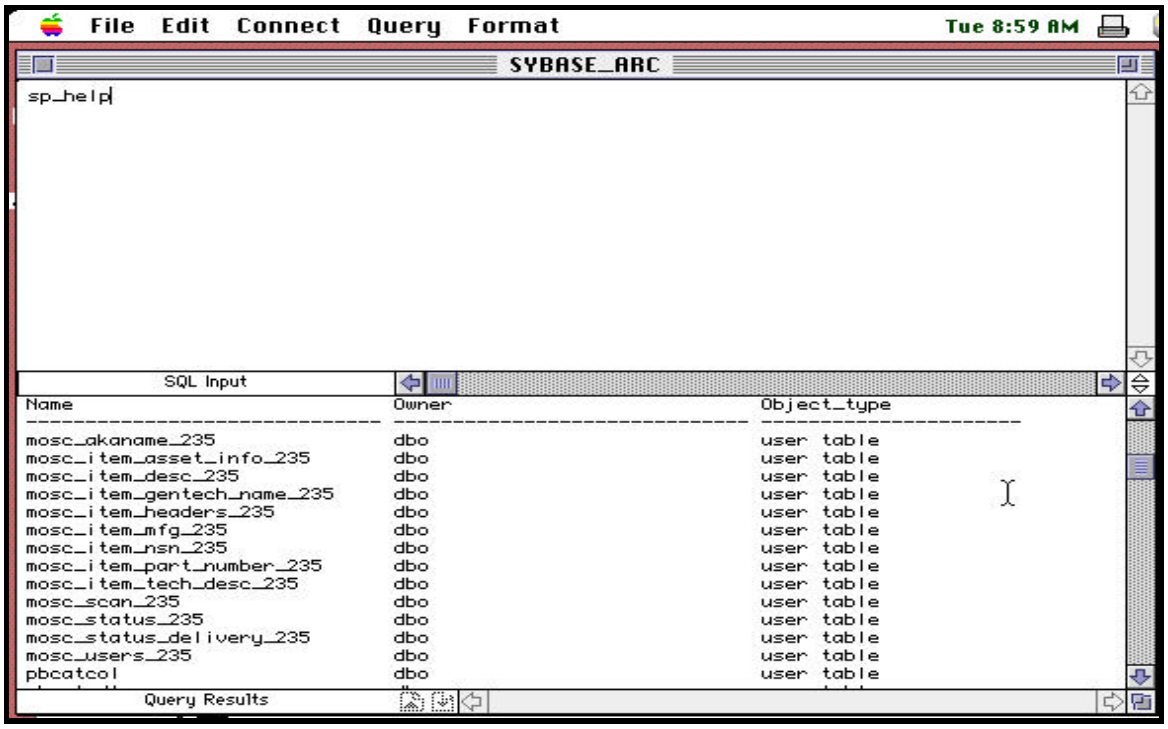
C. Run the **isql utility** to log into the database to verify data in the database tables.
D. Use the **login information** found in the **NOSC.ini file**.
NOTE: If either of these doesn't work, then try verifying your openclient **interface file** entries.



ISQL Utility Screen Login



ISQL Utility



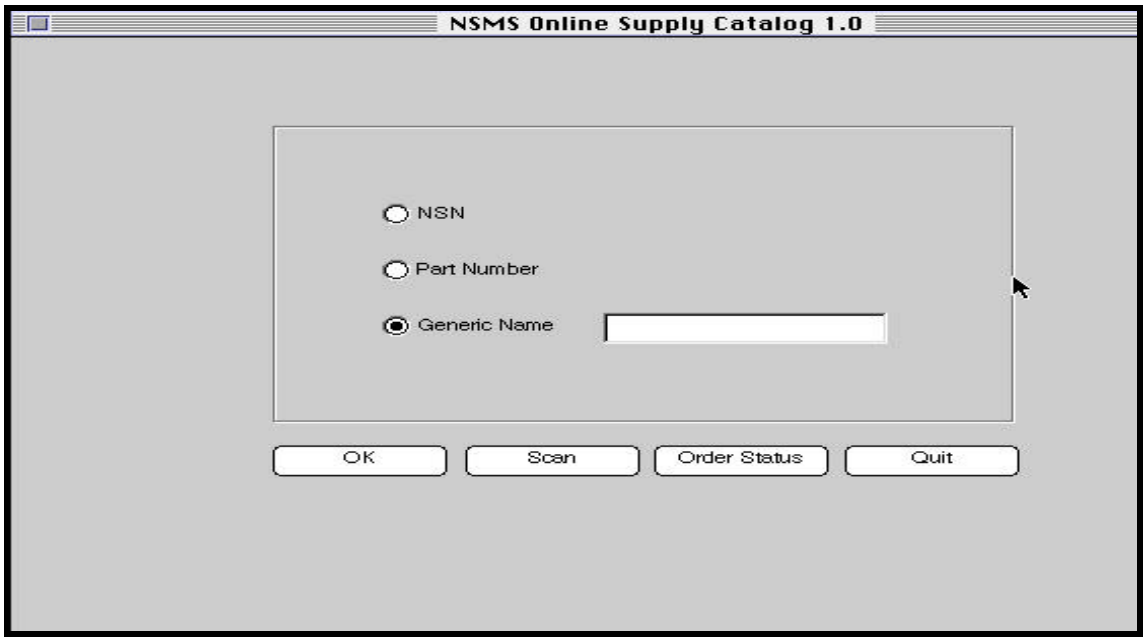
ISQL Utility with tables disp

VII. RUNNING THE APPLICATION:

A. In the desktop **NOSC104** folder, double click on the file **nosc.exe** file.
B. This should activate the Catalog Inquiry Driver with a login screen.

Login Screen

C. Log into the application.
D. Click on the **Scan** bar.

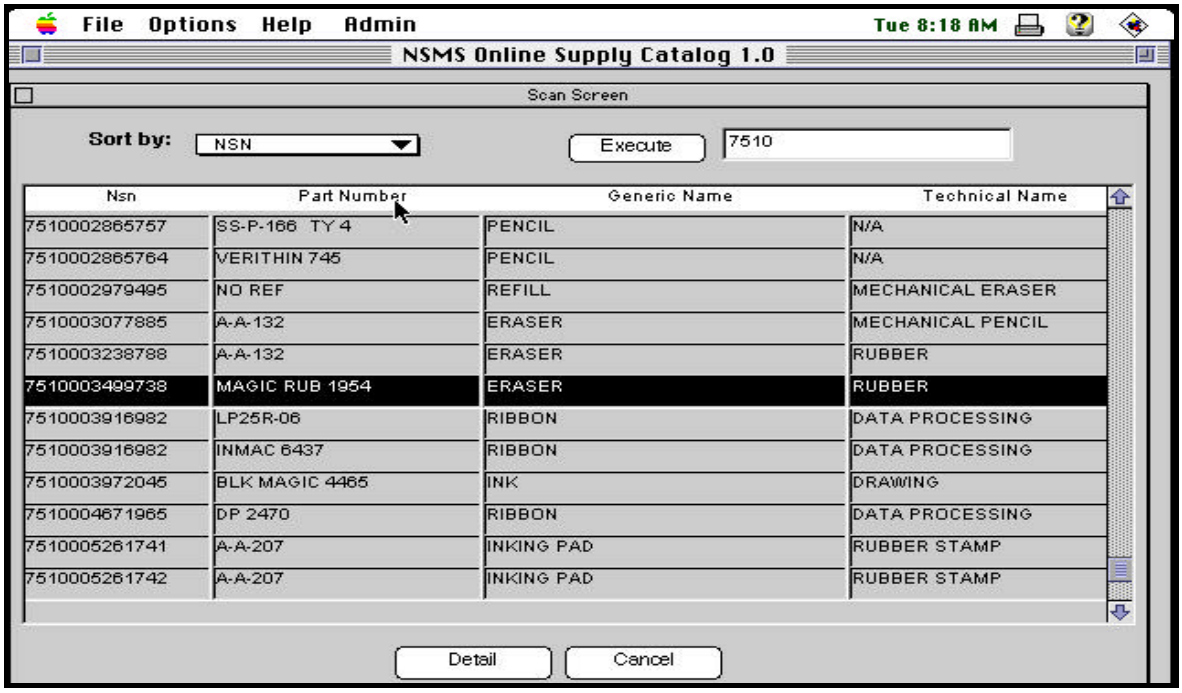


NSMS Online Supply Catalog Screen

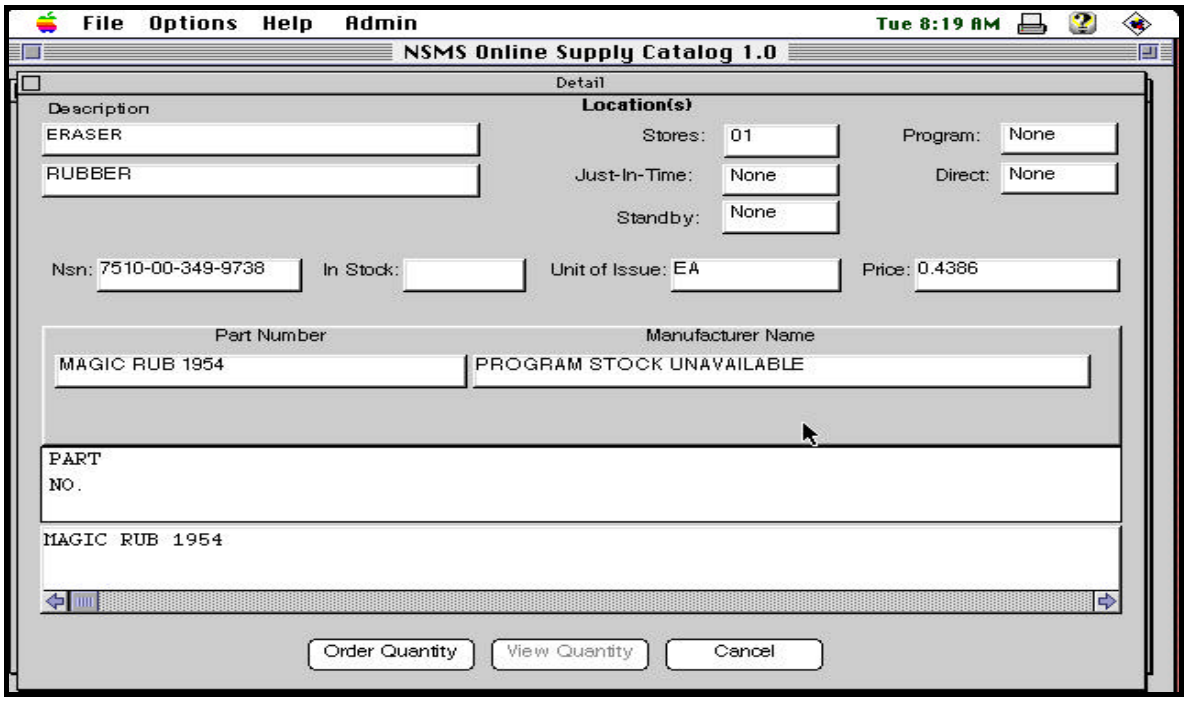
Detailed Screen

E. There should be a screen of data returned.

F. Select one of the displayed items and proceed to Click or **key in 7510 then click on Execute.**
G. This should allow you to select the **magic rub eraser**.

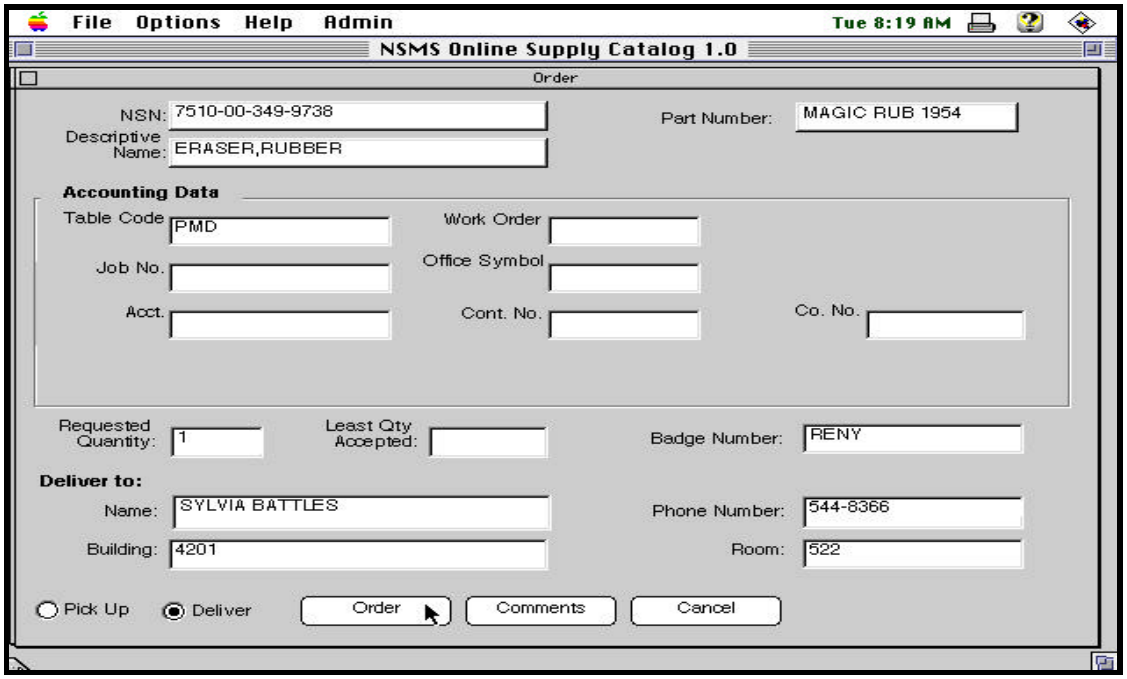


Listing of Specified Product Numbers



Detail Screen

H. Proceed to order the product by entering the appropriate data.



Ordering Screen

I. CONGRATULATIONS, you have successfully installed NOSC 1.0.4 on your 68K Macintosh machine!
J. To reduce disk size after you have tested NOSC, DELETE the following files.
   - SYBASE10.0.4.imag...
   - Fetch...hqx (used to install Fetch and associated install files)
   - ShrinkWrap_2.1...
   - DropStuff....
K. If you have questions or encounter problems during this process, please contact **Sylvia Battles at (205)544-8366 or Yvonne Gulley at (205) 544-1296.**

VIII.HOW TO USE SHRINKWRAP:

A. Download the **ShrinkWrap2.1.sit** file onto your local Macintosh disk desktop
B. Install by Double Clicking on the downloaded **.sit** file and follow install instructions.

C. Once installed, drag the file to be uncompressed onto the **ShrinkWrap** application and the .bin extension will no longer exist on the file. A folder containing the uncompressed files will be created.

IX. HOW TO USE DROPSTUFF:

A. Download the **DropStuff.sit** file onto your local Macintosh disk desktop.
B. Install by Double Clicking on the downloaded .sit file and follow install instructions.
C. Then run the application and open the .sit file and it will then be uncompressed into a folder.

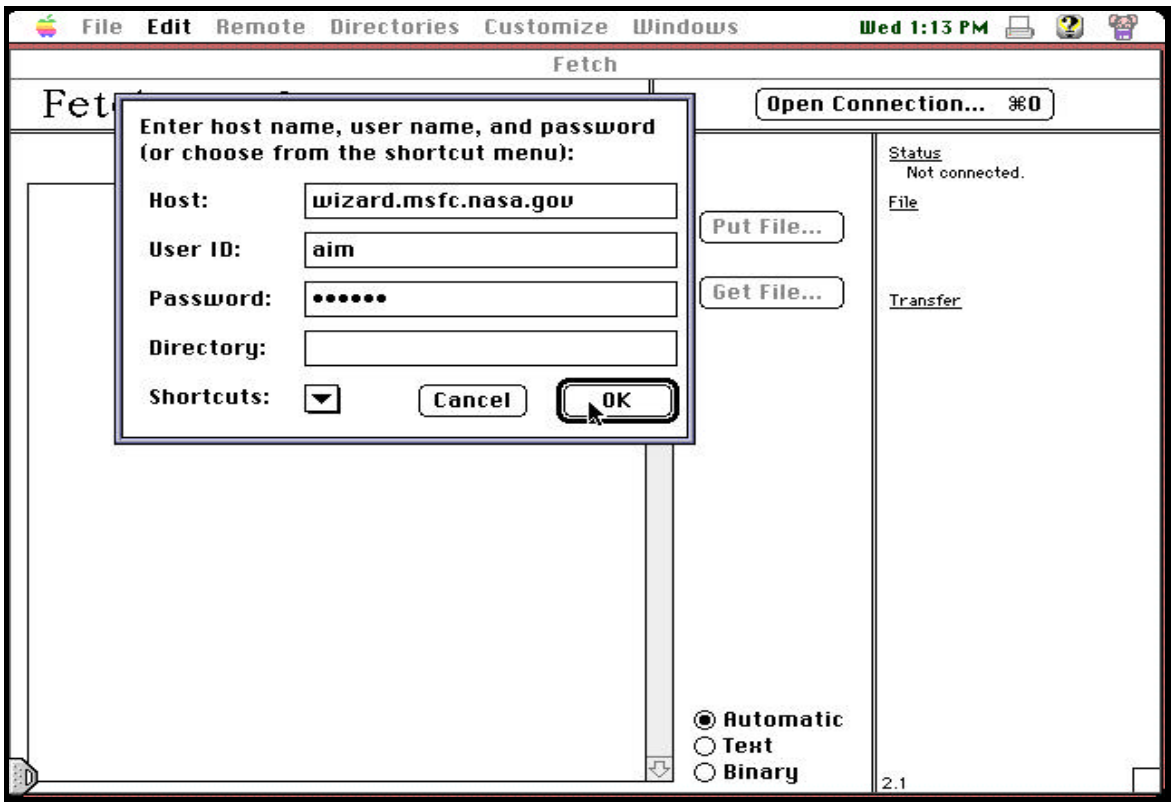
PowerPC MAC VERSION FULL INSTALLATION PROCEDURES OF NOSC

NOTE:
You should remove all previous references to mosc/nosc from your system. You may rename the openclient folder(sybase / sybase_ppc) for possible future reference.

I. CREATE A TEMPORARY FOLDER, NOSC104, TO HOLD THE FILES TO BE DOWNLOADED.

II. **DOWNLOADING THE APPLICATION AND OPENCLIENT**

A. Use a File Transfer program (such as Fetch), to connect to the remote Host **wizard.msfc.nasa.gov**, (IP address: 128.158.154.9):
User ID: **aim**
Password: **aimftp**
NOTE: FETCH may be found in the **/usr/aim/apps/nsms/mac_install/support** folder.



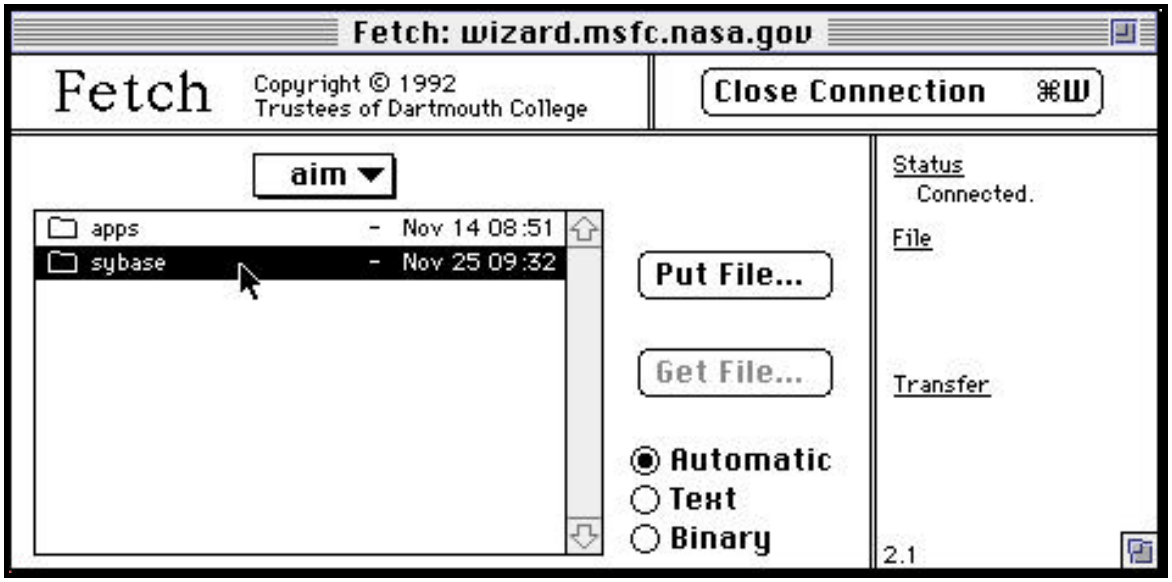
FETCH Login Screen

B. In the File Transfer screen, double click on the following folders:

- **/usr/aim/sybase/10.0.3/mac/PPC** folder.

C. Get File (select **RAW** as the format type) the following files and copy to **NOSC104** folder**.**
   - Sybase Runtime PPC Disk 01.imag... OpenClient Application
   - Sybase Runtime PPC Disk 02.imag... OpenClient Application

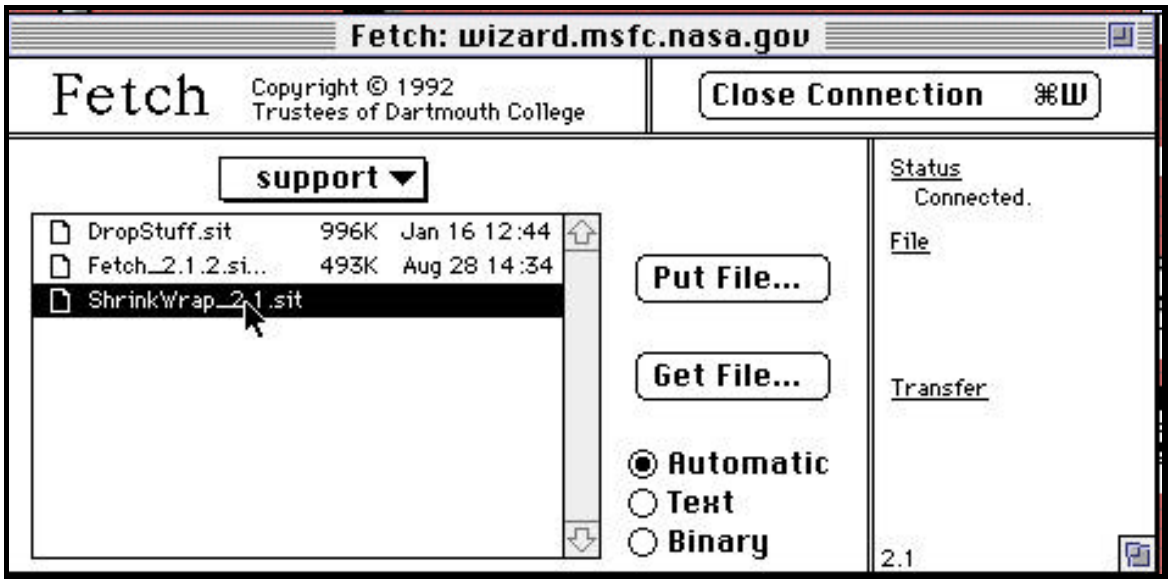
D. In the File Transfer screen, double click on the following folders:
   - **apps/nsms/mac_install/support** folder



FETCH screen after logon

E. Get File (select **RAW** as format type) the following file and copy to **NOSC104** folder.

- ShrinkWrap_2.1.sit Used to convert a binary (.bin) file.
  NOTE: If **STUFFIT Expander**, **STUFFIT DELUXE, or DropStuff** does not exist on your macintosh, then download from the WIZARD server. Instructions on how to use them can be found at the end of the document.



FETCH screen

F. Install **ShrinkWrap_2.1** and **STUFFIT Expander, or STUFFIT DELUXE, or DropStuff** applications.

G. In the File Transfer Screen, double click on the following files to get the application-specific files.

   - **apps/nsms/ mac_install/versions/fat/applicable agency/applicable version** folder.

   NOTE: agency -> **msfc, dfrc**

H. Get Files (select **RAW** as the format type) the following files and copy to **NOSC104** folder.

   - **nosc104.sit** contains INSTALLER Vise Application.

III. INSTALLATION OF THE APPLICATION AND OPENCLIENT

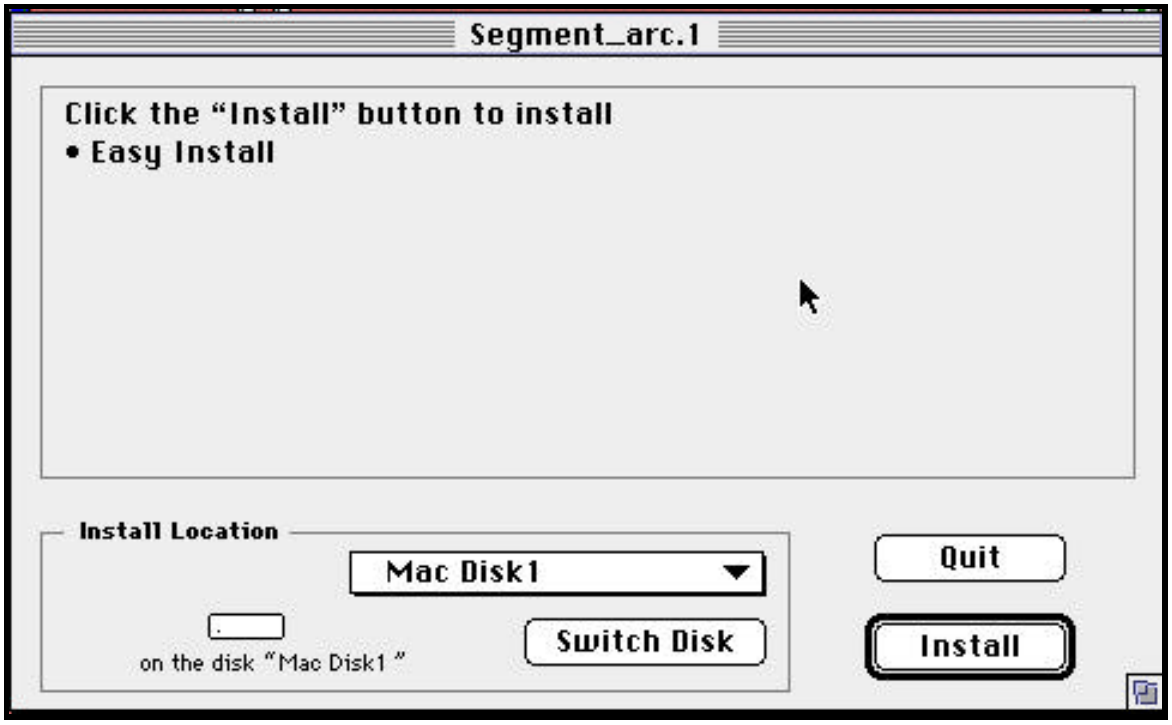
A. Drag the following file onto **ShrinkWrap** application.
   - **nosc104.sit**

B. Double click on the new unshrunk file, the following files will now reside on your local disk.
   - **nosc104.vct**
   - **nosc104_seg.1**

C. Double click on the file, **nosc104_seg.1**, click on the **triangle** in the middle of the VISE Installer screen.

VISE Install Screen

D. Click the **INSTALL** button to select the **easy install. I**nstall location should be okay.



VISE Install Selection Screen

A. Once completed, the **[NOSC104]** folder or **[NOSC version applicable]** folder should look like:

Name	Kind
nosc.exe	Application program
admin.exe	Application program
OPENSRV.DAT	OpenClient interface data
NOSC.ini	Application specific data

B. The **local mac disk:System Folder:Extensions** folder should contain:
   - SSA ODBC Driver 5.0 PPC
   - SSA ODBC Setup 5.0 PPC
   - OpenSrvLib

C. The **local mac disk:System Folder:Preferences** folder should contain:
   - NOSC.ini

II. **TO INSTALL RUNTIME VERSION OF OPENCLIENT**

A. In the **NOSC104** folder, double click on the following files to decompress.
   - **Sybase Runtime PPC Disk 1.imag...,**
   - **Sybase Runtime PPC Disk2.imag...**

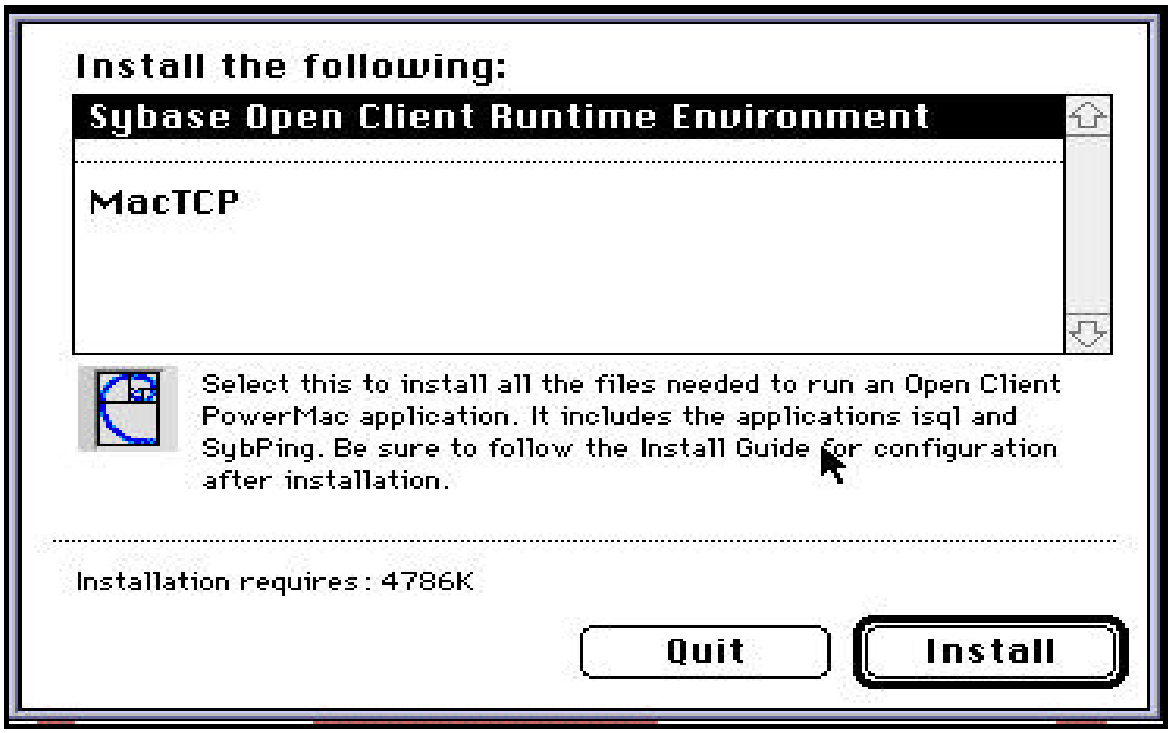
B. Double click on **Sybase Runtime PPC Disk1**.

C. After the window opens, double click on the **Sybase Runtime Installer**.

D. On the first screen, click on **Continue**.

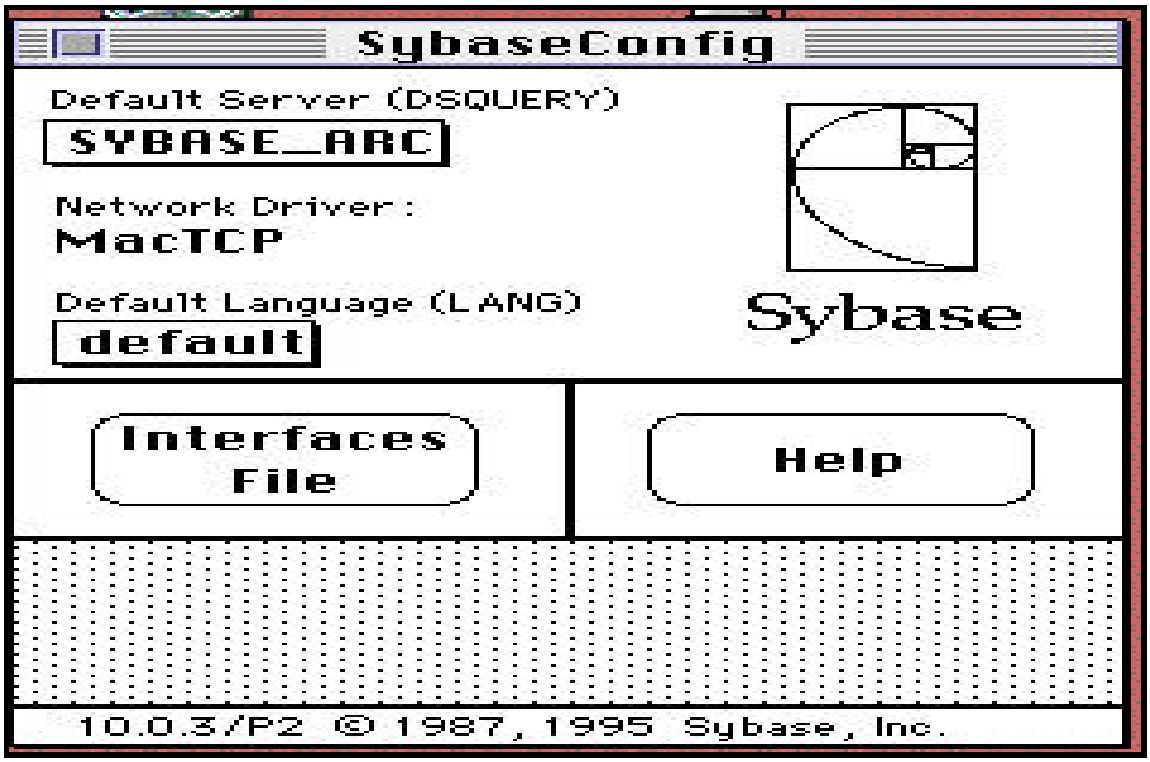
SYBASE 10.0.3 Screen

E. On the second screen, click on **Install.**
F. Double click on the **Macintsoh specific local disk** in the window area.
G. Click on INSTALL to install the SYBASE Runtime Environment.
   NOTE: Once successfully loaded, The install process should load 100+ items in a folder named **sybase_ppc** for PPC**.**



SYBASE Installation Screen

H. YOUR SYSTEM WILL NOW BE **RESTARTED.**
I. Once logged back on, Proceed to the **sybase_ppc** folder, and add entries as specified in Step IV.K to the **Interfaces** file.
J. From the apple menu, choose **Control Panels**
   1. Choose **SybaseConfig.**



SYBPING Screen

2. Click on the button **Interfaces File.**
3. Click on the down arrow in the upper window and choose **your local disk** to locate the **interfaces file**.
4. In the lower window, double click on the **sybase_ppc** folder.
5. Locate and select the **interfaces** file.
6. Click on **Open.**
7. **In the Default Server (DSQUERY),** the selection here should be AGENCY-based...
   MSFC - SYBASE_MSFC AMES - SYBASE_ARC
   DFRC - SYBASE_DFRC LeRC - SYBASE_LERC
   NOTE: The information here should be replicated in the interfaces file
8. Close the **SybaseConfig** screen.

K. Modify the **local disk:sybase_ppc:interfaces** to reflect the following AGENCY- specific information for your agency:

L. MSFC (test)
SYBASE_MSFC_TST
[tab]query macTCP mac_ether aim4msfc.msfc.nasa.gov 2025
NOSTST
[tab]query macTCP mac_ether aim4msfc.msfc.nasa.gov 2061

AMES
SYBASE_ARC
[tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2025
NOSPRD
[tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2061

LeRC
SYBASE_LERC
[tab]query macTCP mac_ether aim2lerc.lerc.nasa.gov 2025
NOSPRD
[tab]query macTCP mac_ether aim2lerc.lerc.nasa.gov 2061

DFRC
SYBASE_DFRC
[tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2025
NOSPRD
[tab]query macTCP mac_ether aim2arc.arc.nasa.gov 2061

JOHNSON
SYBASE_JSC
[tab]query macTCP mac_ether aim2ksc.ksc.nasa.gov 2025
NOSPRD
[tab]query macTCP mac_ether aim2ksc.ksc.nasa.gov 2061

NOTE: The order of the AGENCY information sometimes may cause problems, therefore place ONLY your agency information DELETING any agency information that is not specific to your agency.
NOTE: PORT # varies from 2060, 2061, 2062 for the NOSPRD entry. Therefore if connectivity doesn't exist initially using a particular port, change the number and continue to PING.

M. Verify the **openclient locales data** file.
   1. Open the local **mac disk:sybase_ppc:locales:locales.dat.**
   2. Look for the following entries and verify. Add as the first line to reflect the following if its incorrect.
      [mac]
      locale=default, us_english, iso_1
      locale=us_english, us_english, mac

N. Verify the **openclient server data** file.
   1. Open the local **mac disk:[NOSC104]** or **[NOSC applicable version].**
   2. There are four entries:
      a) APPC141 MainFrame threat number; Changes for production

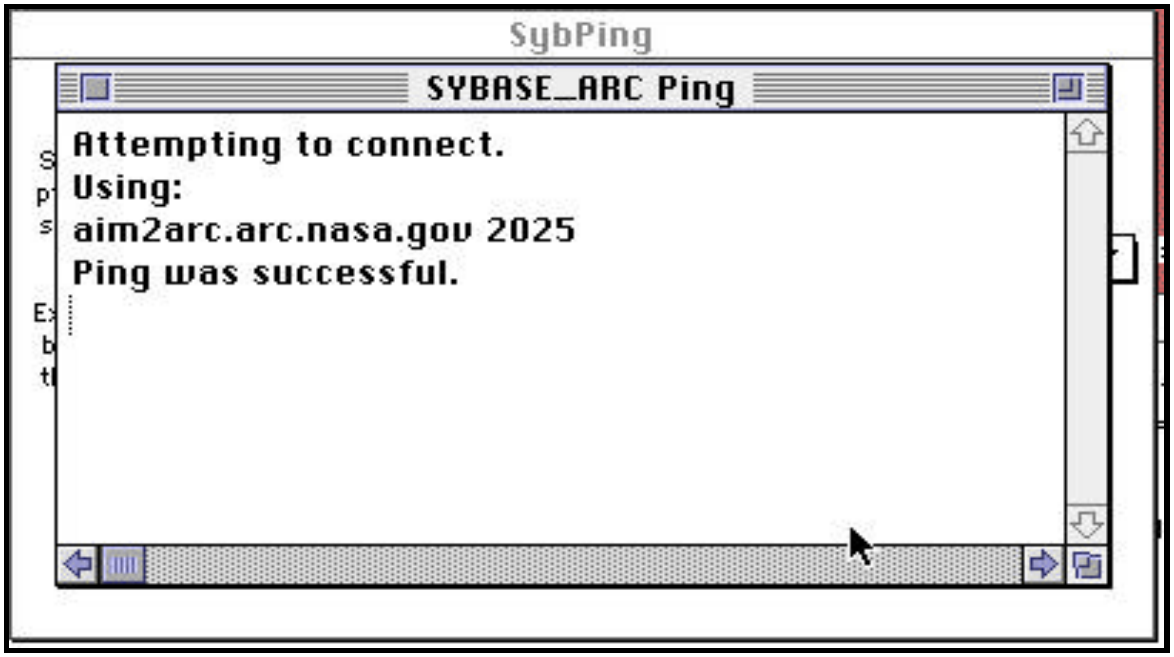
b) LSERVER4 Standard
c) NOSTST This entry replicates the second [ ] entry in the **interface file**
d) test_natural Standard

III. **VERIFY CONNECTIVITY TO THE DATABASE:**

A. Open the **local disk:sybase_ppc:bin** folder.

B. Run the **sybping utility** to verify that the connection is established.

NOTE: This should be ran on the **SYBASE_MSFC_TST** entry and also the **NOSTST** entry.

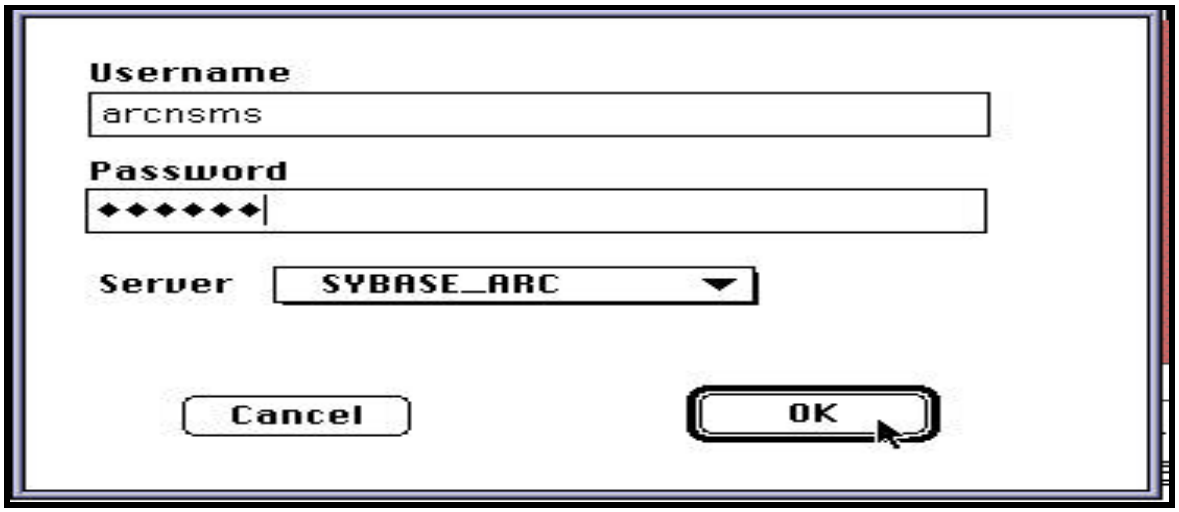


SYBPING Utility Screen

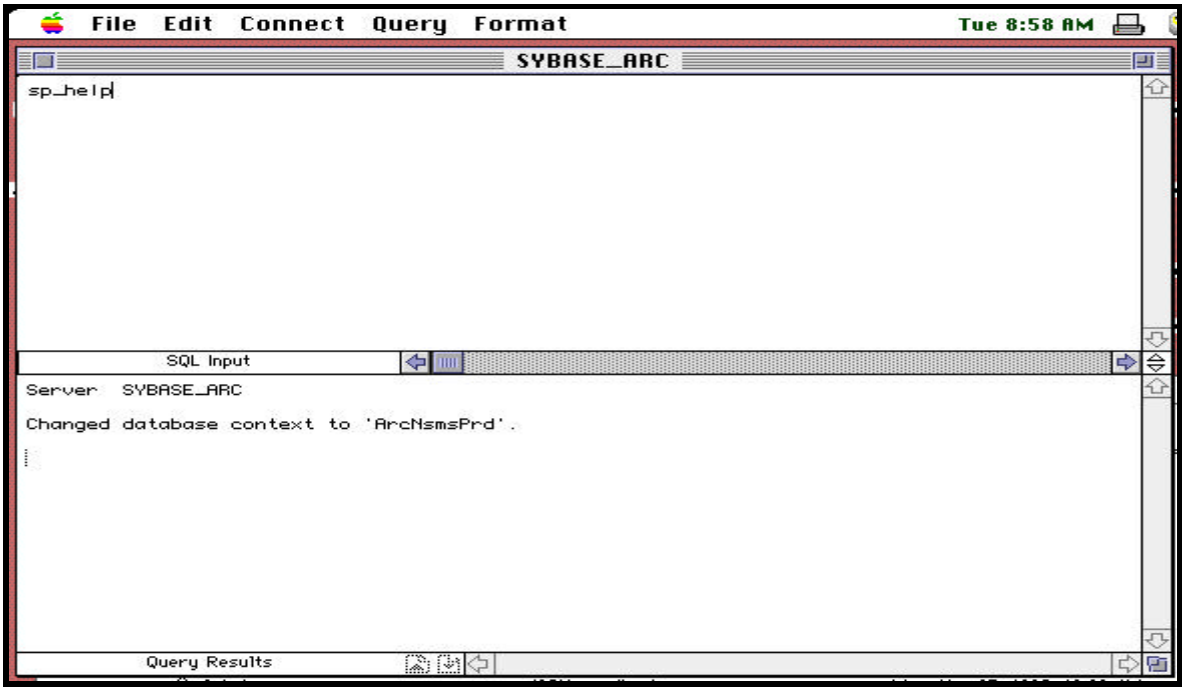
C. Run the **isql utility** to log into the database.

D. To verify data in the database tables use the **login information** found in the **NOSC.ini file**.

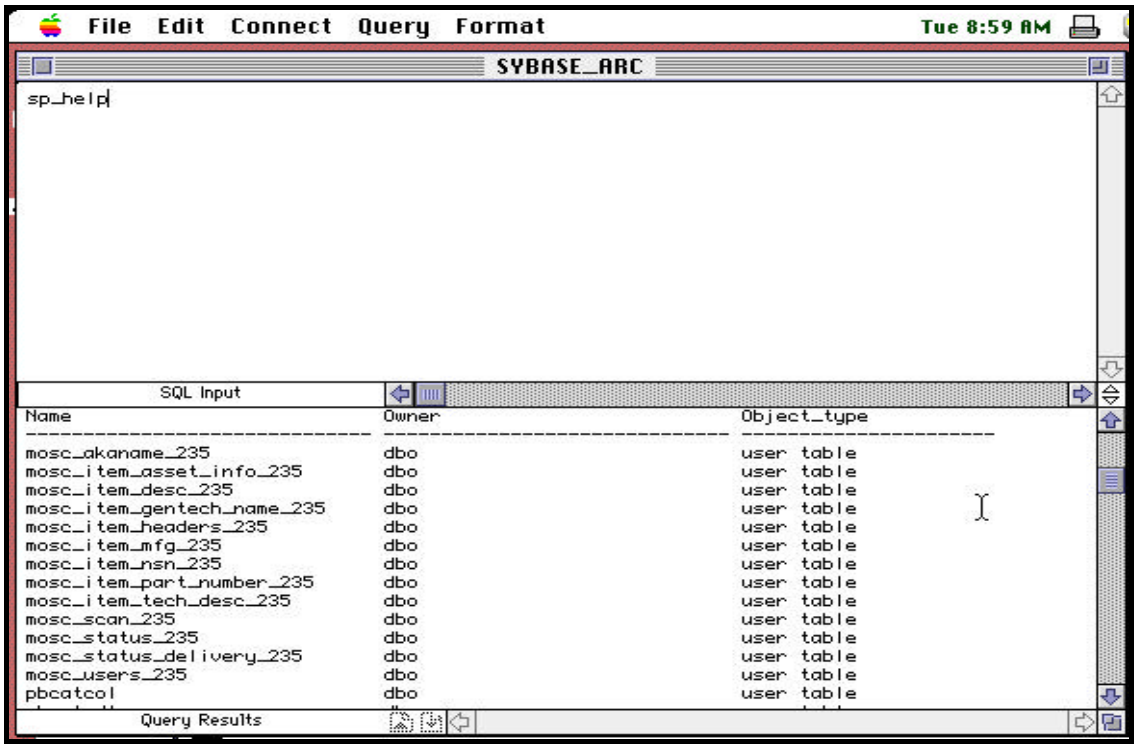
NOTE: If either of these doesn't work, then try verifying your openclient **interface file** entries.



ISQL Utility Screen Login



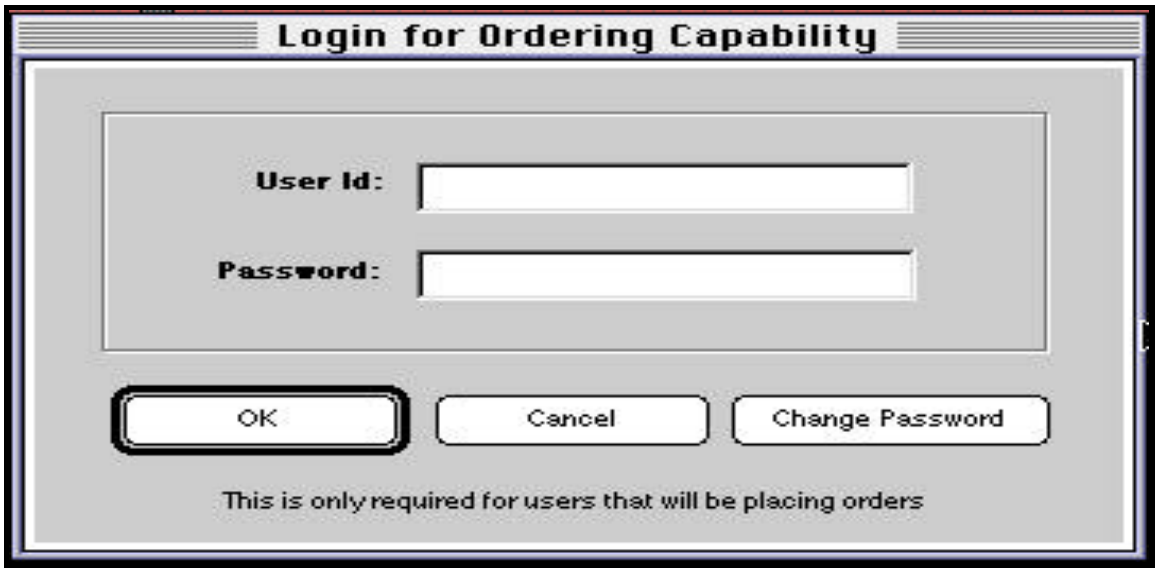
ISQL Utility



ISQL Utility with tables displayed

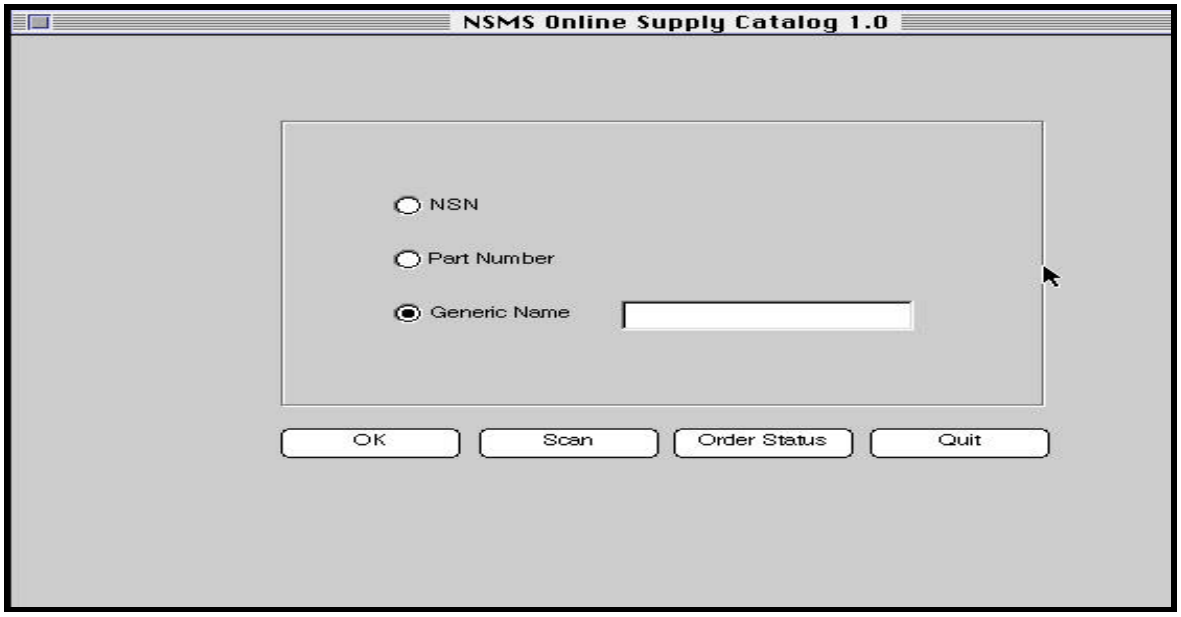
IV. **RUNNING THE APPLICATION:**

A. In the desktop **NOSC104** folder, double click on the file **nosc.exe** file. This should activate the Catalog Inquiry Driver with a login screen.



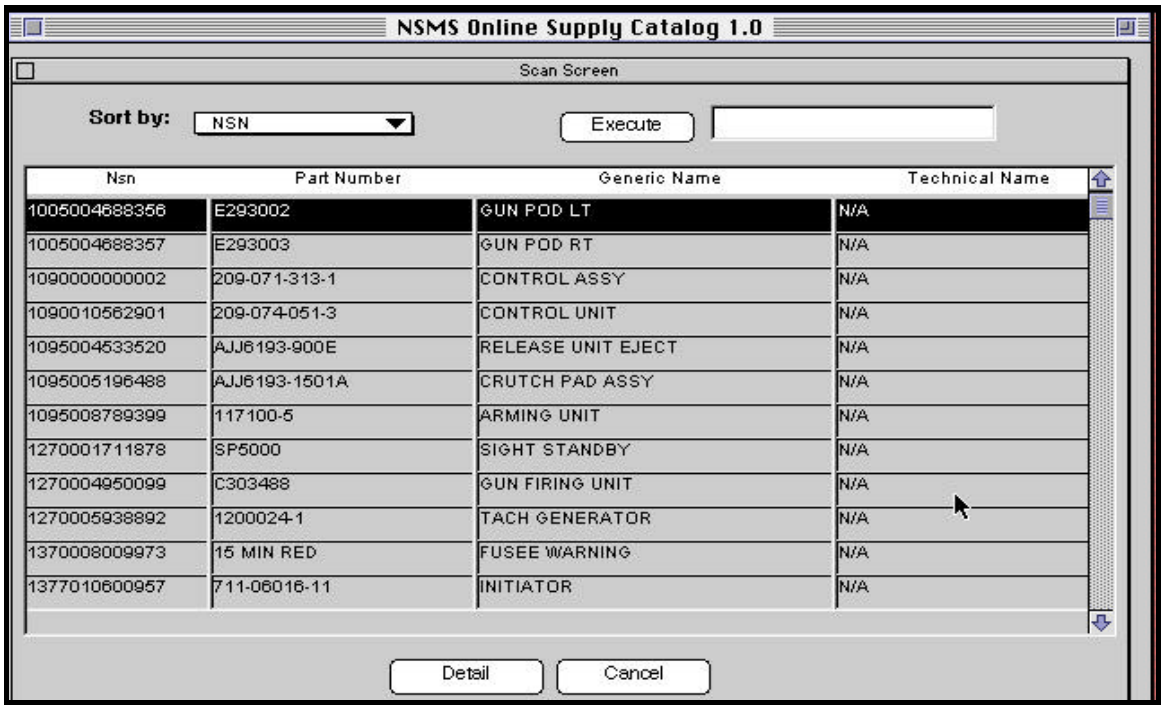
Login Screen

B. Log into the application.



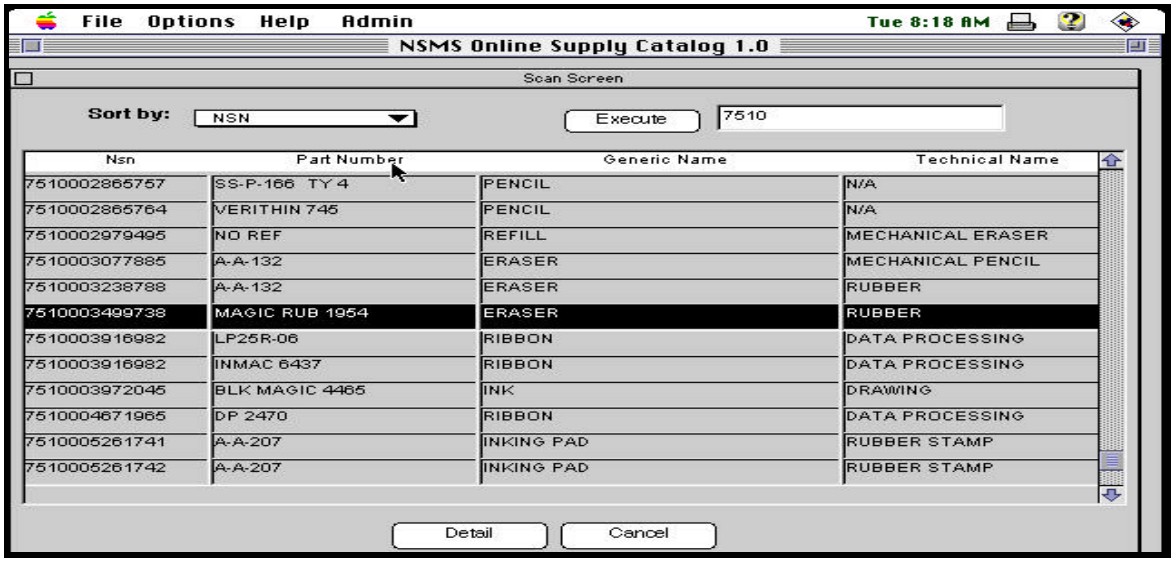
NSMS Online Supply Catalog Screen

C. Click on the **Scan** bar.
D. There should be a screen of data returned.



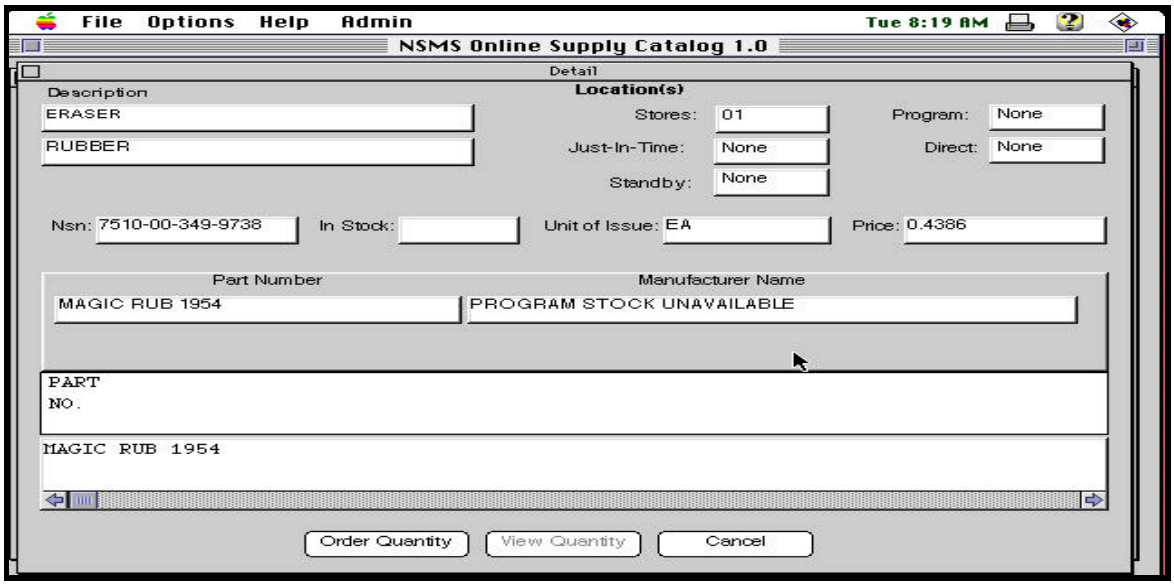
Detailed Screen

E. Select one of the displayed items and proceed to Click **Details** or **key in 7510 then click on Execute.**

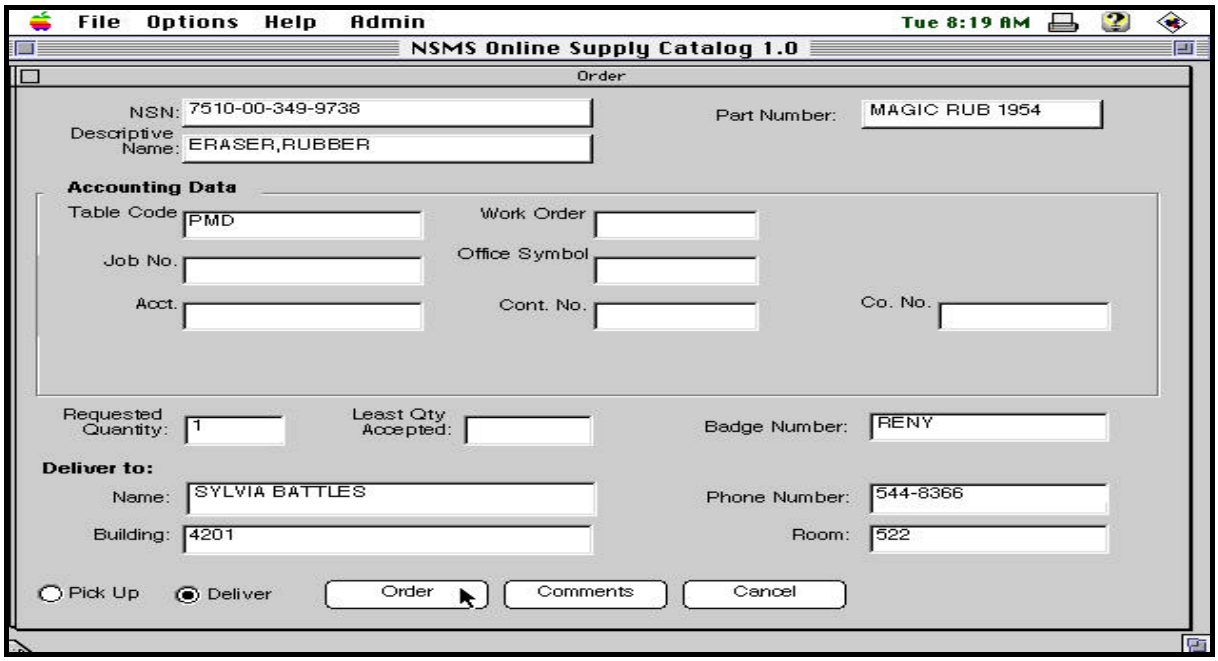


Listing of Specified Product Numbers

F. **T**his should allow you to select the **magic rub eraser.**



Detailed Screen



Ordering Screen

G. Proceed to order the product by entering the appropriate data.
H. CONGRATULATIONS, you have successfully installed NOSC 1.0.4.
I. DELETE the following files:
   - Sybase Runtime Disk 01.imag
   - Sybase Runtime Disk 02.imag
   - Fetch...hqx (used to install Fetch and associated install files)
   - ShrinkWrap_2.1.sit or ShrinkWrap.sit
J. If you have questions or encounter problems during this process, please contact **Sylvia Battles at (205)544-8366 or Yvonne Gulley at (205) 544-1296.**

V. **HOW TO USE SHRINKWRAP**
A. Download the **ShrinkWrap.bin** file onto your local macintosh disk.
B. Install by Double Clicking on the downloaded file and follow install instructions.
C. Once installed, drag the file to be uncompressed onto the **ShrinkWrap** application and the .bin extension will no longer exist on the file.

VI. **HOW TO USE DROPSTUFF:**
A. Download the **DropStuff.sit** file onto your local macintosh disk desktop.
B. Install by Double Clicking on the downloaded **.sit** file and follow install instructions.

C. Then run the application and open the **.sit** file and it will then be uncompressed into a folder.